

# 1986 FRUIT TREE CENSUS

Part II

## tender Fruits


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AF  
- FTS



Ministry of  
Agriculture  
and Food

**ONTARIO**

Jack Riddell, Minister  
Clay Switzer, Deputy



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## 1986 ONTARIO FRUIT TREE CENSUS

# Tender Fruits



prepared by  
Economics and Policy Coordination Branch  
and  
Plant Industry Branch  
Ontario Ministry of Agriculture and Food  
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## FOREWORD

The Fruit Tree and Grape Census is conducted in Ontario every five years through the joint efforts of the Ontario Ministry of Agriculture and Food (OMAF) and the Ontario Tender Fruit Producers' and Grape Growers' Marketing Boards. Data for the Census are collected from all commercial growers by mail questionnaire. Every effort is made by those involved to make this report as complete as possible.

The results of the 1986 Census are being published in three parts and an effort has been made to include as much informative and timely material as possible for the various crops. This publication presents the number of apricot, cherry (sweet and tart), nectarine, peach, pear and plum (European and Japanese) trees reported in the Census, whereas another publication deals with grapes and a third with apples. We trust that growers will find this report of value in deciding future plantings and also that industry personnel responsible for making crop forecasts will find this an up-to-date base for predictions.

The 1986 Tender Fruit Census was mailed out and collected through the extension horticulturists of the Plant Industry Branch of the Ontario Ministry of Agriculture and Food (OMAF). The Economics and Policy Coordination Branch was responsible for the tabulation of Census schedules and preparation of statistical tables. It is believed that the statistics presented are a realistic picture of the status of the tender fruit industry in the province.

In this report, reference is made to the 1966 through 1981 Censuses. Wherever possible, the format established in 1966 and continued in later years is followed again in 1986 to facilitate direct comparisons. It should be noted that fruit varieties are presented in alphabetical order, whereas in the past they were presented by order of maturity.

For purposes of this Census, the Province is divided into the following six districts:

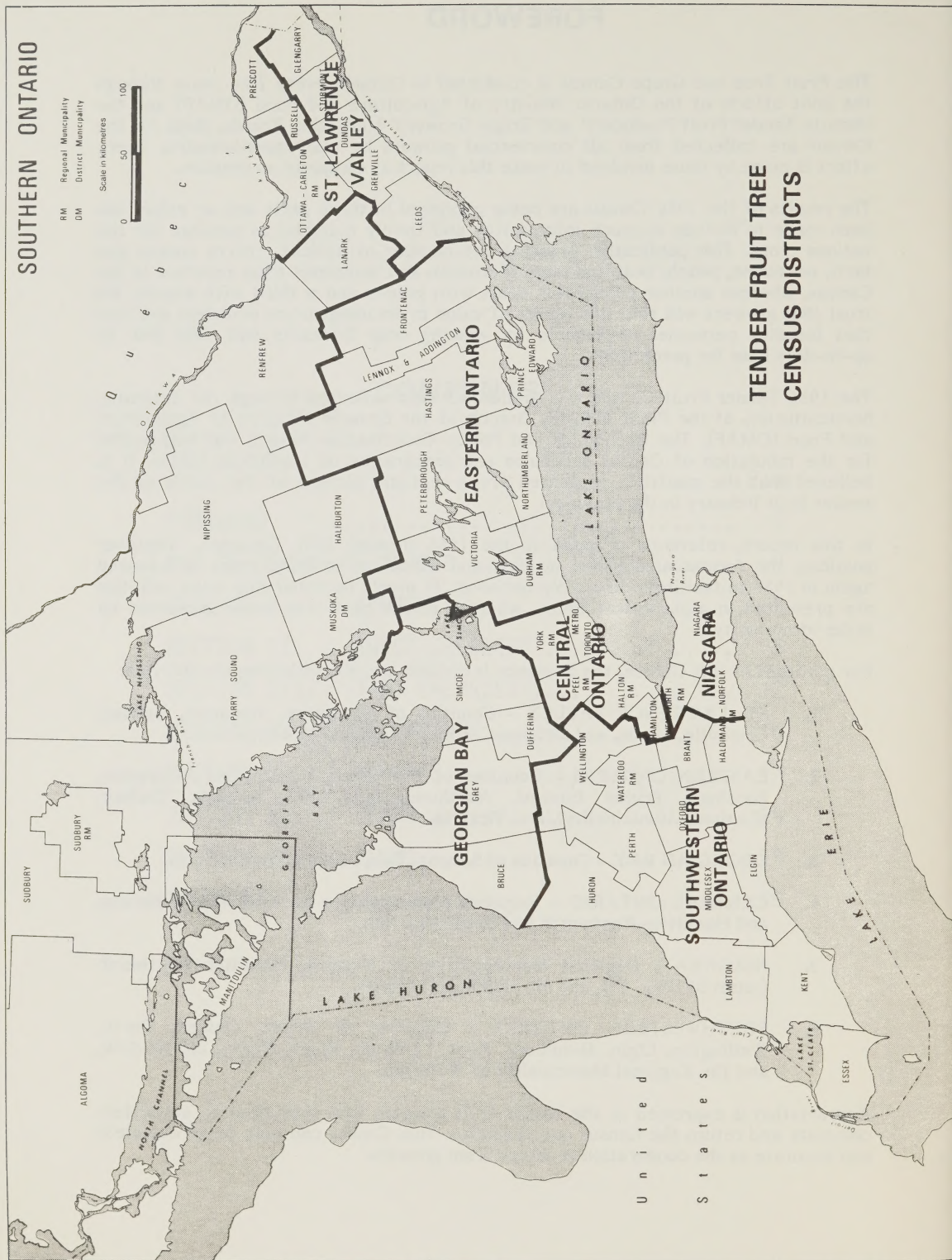
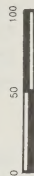
1. ST. LAWRENCE VALLEY - Counties of Glengarry, Stormont, Dundas, Grenville, Leeds, and Ottawa-Carleton (Regional Municipality).
2. EASTERN ONTARIO - Counties of Frontenac, Lennox and Addington, Hastings, Prince Edward, Northumberland, Peterborough, Durham (Regional Municipality), and Victoria.
3. GEORGIAN BAY - Counties of Simcoe, Grey, Bruce, and Dufferin.
4. CENTRAL ONTARIO - Regional Municipalities of York, Peel, Halton, and Hamilton-Wentworth (north of Hwy. 99).
5. NIAGARA - Regional Municipalities of Niagara, Hamilton-Wentworth (south of Hwy. 99), and old Haldimand county.
6. SOUTHWESTERN ONTARIO - Counties of Brant, Oxford, Perth, Wellington, Elgin, Middlesex, Kent, Lambton, Essex, Huron, old Norfolk, and the Regional Municipality of Waterloo.

Appreciation is expressed to the tender fruit growers who took time to accurately complete and return the Census questionnaire. This Census can only be as complete and accurate as the cooperation received from growers.



# SOUTHERN ONTARIO

RM Regional Municipality  
DM District Municipality  
Scale in kilometres



## TENDER FRUIT TREE CENSUS DISTRICTS

United  
States

## SECTION I — APRICOTS

The apricot is a stone fruit of the rose family. They are grown commercially on this continent in California, Washington, and British Columbia. Apricots were first reported in the Fruit Tree Census in 1981.

Apricots have not been recommended for general planting in Ontario due to crop failures associated with extreme sensitivity to spring frost, and diseases such as brown rot and bacterial spot. However, breeding and testing programs at Agriculture Canada, Harrow, and the Horticultural Research Institute of Ontario, Vineland Station, have developed locally adapted cultivars for commercial purposes. Even so, absolute crop failure may occur in some seasons as was the case in 1981 (Niagara district) and 1983 (Southwestern Ontario district).

Recommended cultivars for limited planting include Harcot, Goldcot, Velvago, Veecot, Hargrand, Vivagold, Harlayne, Sunglo and Harglow. Other cultivars are at the trial planting phase.

The 1986 Census reported 366 apricot growers in Ontario. There were 13,830 apricot trees in Ontario in 1986 (Table 1), compared to 11,101 in 1981. The vast majority of these are located in the Niagara district (76%), and Southwestern Ontario (22%). The 1986 Census indicated that 5,916 trees (43%) were in the 1-3 year category, compared to 5,585 (50%) in 1981. Interest in apricot growing is still fairly steady.

TABLE 1 - APRICOT TREES BY AGE GROUP AND DISTRICT, ONTARIO, 1986

	1 TO 3 YEARS	4 TO 9 YEARS	10 YEARS & OVER	TOTAL	REGION AS % OF TOTAL	# OF GROWERS
ST. LAWRENCE VALLEY..	0	11	0	11	0.08	2
EASTERN ONTARIO.....	55	37	0	92	0.67	8
GEORGIAN BAY.....	3	11	0	14	0.10	6
CENTRAL ONTARIO.....	131	4	7	142	1.03	9
NIAGARA.....	4,115	5,111	1,340	10,566	76.40	269
SOUTHWESTERN ONTARIO.	1,612	1,269	124	3,005	21.73	72
TOTAL.....	5,916	6,443	1,471	13,830	100.00	366
AGE GROUP AS % OF TOTAL.....	42.78	46.59	10.64	100.00		



## SECTION II — SWEET CHERRIES

### PRODUCTION AND MARKETING

Sweet cherry production is extremely variable from one year to the next due to weather vulnerability. The crop is highly dependent on the honey bee as a means of cross-pollination. Cool, cloudy or rainy weather during blossom brings bee activity to a halt. Sweet cherry trees bloom early in the season and are therefore susceptible to late spring frost. Heavy rains during harvest season can devastate a crop due to bruising and/or splitting. The number of sweet cherry trees has been decreasing during the past 20 years due to vulnerability to adverse weather, high cost of suitable harvest labour, and foreign competition for the canned and Maraschino markets.

There were 1,100 acres of sweet cherries

in Ontario in 1986, compared to 1,070 in 1981 (Table 2). Although acreage remained fairly steady during that period, production levels varied considerably from a low of 785 tons in 1981 to a high of 2,565 tons in 1984; wide fluctuations in production levels are a result of sensitivity to weather conditions. The 5 year average marketed production for 1982-1986 was 1,871 tons, compared to 2,117 tons for 1977-1981. Total farm value from 1981-1986 ranged from a low of \$0.66 million in 1981 to a high of \$2.16 million in 1985 (Table 2).

During the period from 1982 to 1986, an average of 63 percent of the crop was utilized for the fresh market, compared to 53 percent for 1977-1981. The tonnage of sweet cherries sold to the fresh and processing sectors for 1981-1986 is shown in Table 3.

TABLE 2 - SWEET CHERRIES, ESTIMATED AREA, PRODUCTION AND FARM VALUE, ONTARIO, 1981-1986

	AREA	MARKETED PRODUCTION	FARM VALUE	
			UNIT	TOTAL
	ACRES	TONS	CENTS/LB	\$'000
1981.....	1,070	785	42.1	660
1982.....	1,052	1,515	43.4	1,314
1983.....	1,035	2,020	36.7	1,483
1984.....	1,044	2,565	38.8	1,992
1985.....	1,047	1,732	62.4	2,162
1986.....	1,100	1,524	58.5	1,784

TABLE 3 - SWEET CHERRIES, MARKETED PRODUCTION, ONTARIO, 1981-1986

	1981	1982	1983	1984	1985	1986
	- TONS -					
FRESH.....	424	919	1,383	1,453	1,151	963
PROCESSING*:						
CANNING.....	70	115	121	190	63	85
BRINING.....	258	436	504	879	502	463
DISTILLING.....	33	45	12	40	15	10
JUICE.....	0	0	0	3	1	3
TOTAL PROCESSING.....	361	596	637	1,112	581	561
TOTAL PRODUCTION.....	785	1,515	2,020	2,565	1,732	1,524

\*SOURCE: ONTARIO TENDER FRUIT PRODUCERS' MARKETING BOARD



## CENSUS HIGHLIGHTS

### Farm Size and Regional Distribution

A total of 610 growers reported sweet cherry trees in 1986 (Table 4) compared to 760 growers in 1981. The number of trees per farm has also decreased significantly during that 5 year period. In 1986, only 4 growers had more than 1,000 trees, compared to 7 growers in 1981. The 11-100 tree category decreased from 372 growers in 1981 to 265 in 1986. The majority of sweet cherry farms are in the Niagara district (Table 4), although this is down from 83 percent in 1981 to 75 percent in 1986. All other districts showed an increase in the number of sweet cherry growers from 1981 to 1986.

### Tree Distribution and Age

The number of sweet cherry trees in Ontario declined from 142,218 in 1966, to a low of 55,098 in 1986 (Table 5). Tree numbers in 1986 are only 76 percent of the 1981 Census figure. Popularity is declining among growers due to problems associated with vulnerability to weather conditions. The Niagara region is the main production area with 79 percent of total trees, down from 85 percent in 1981 (Table 6). Trees in Southwestern Ontario accounted for 19 percent of the provincial total in 1986, compared to 13 percent in 1981.

Only 29 percent of the trees in Ontario are in the 1-10 year age category (Table 7). This suggests a continuing decline of sweet cherries as a commercial crop in Ontario. The most popular trees in this age group are: Hedelfingen (5,369), Valera (1,444), Van (1,387), Viva (1,306) and Bing (1,193).

The number of sweet cherry trees in Eastern Ontario, St. Lawrence, Central Ontario and Georgian Bay districts are commercially insignificant compared to the provincial total (Tables 8 and 9). Nonetheless, it is interesting to note that for the Eastern Ontario/St. Lawrence districts, 99 percent of trees were reported in the 1-10 year age category. In the Central Ontario/Georgian Bay district, 62 percent of all trees reported were in the 1-10 year age group.

There were 43,723 trees in the Niagara district in 1986, compared to 61,581 in 1981 (Table 10). In Niagara, 24 percent of the trees were in the 1-10 year age category. The age group share is virtually identical to 1981, although the actual number of trees decreased to 10,462 in 1986 from 14,647 in 1981. The most popular variety in this age category is Hedelfingen (3,460), though in comparison to 1981 it is also on the decline.

There were 10,725 sweet cherry trees in Southwestern Ontario in 1986, compared to 9,676 in 1981 (Table 11). In the Southwestern Ontario district, 48 percent of sweet cherry trees were in the 1-10 year age category compared to 50 percent in 1981. In terms of actual tree numbers there were 5,166 in this age category in 1986 compared to 4,883 in 1981. This indicates a fairly steady interest in sweet cherry production in that region.

### Varieties

Hedelfingen continues to be the most abundant variety (17,261) followed by Vista (6,109), accounting for 31 and 11 percent of total trees respectively in 1986 (Table 6). In 1986, Venus replaced Windsor as the 4th most abundant variety. The only varieties which increased in numbers since 1981 (Table 5) are Stella (up 40%) and Van (up 19%). Major declines occurred in Napoleon (down 63%), Lambert (down 62%), Black Tartarian (down 60%) and Victor (down 48%). It is interesting to note that 87 percent of Viscount trees and 59 percent of Vogue are in the 1-10 year age group. (Table 7). However, Hedelfingen is the most abundant in that category with 5,369 trees.

Viscount is the only new variety of sweet cherry tree reported in the 1986 Census and at present is recommended for limited planting only. The Horticultural Research Institute of Ontario continues efforts to develop varieties that are resistant to fruit splitting near or during harvest, and varieties which can be grown in solid blocks without the provision of pollenizer cultivars.

TABLE 4 - FARMS REPORTING SWEET CHERRY TREES BY NUMBER OF TREES ON FARMS,  
ONTARIO, 1986

NO. OF TREES	ST. LAWRENCE VALLEY	EASTERN ONTARIO	GEORGIAN BAY	CENTRAL ONTARIO	NIAGARA	SOUTH- WESTERN ONTARIO	TOTAL	FARMS AS % OF TOTAL
1-10.....	1	17	9	9	132	46	214	35.08
11-100.....	2	2	2	6	221	32	265	43.44
101-200.....	0	0	1	0	51	11	63	10.33
201-500.....	0	0	0	0	36	11	47	7.70
501-1,000.....	0	0	0	0	12	5	17	2.79
1,001-2,500....	0	0	0	0	3	0	3	0.49
2,501-5,000....	0	0	0	0	1	0	1	0.16
5,001 AND OVER.	0	0	0	0	0	0	0	0.00
TOTAL FARMS....	3	19	12	15	456	105	610	100.00
FARMS AS % OF TOTAL.....	0.49	3.11	1.97	2.46	74.75	17.21	100.00	

TABLE 5 - SWEET CHERRY TREES IN ONTARIO, 1966-1986

VARIETY	1966	1971	1976	1981	1986	1986 AS % OF 1981
BING.....	13,968	10,117	8,413	5,219	4,176	80.02
BLACK TARTARIAN...	8,367	4,854	2,283	1,144	463	40.47
HEDELFINGEN.....	28,602	25,666	24,030	20,293	17,261	85.06
LAMBERT.....	*	*	*	690	260	37.68
NAPOLEON.....	4,004	2,950	2,032	1,654	614	37.12
SCHMIDT.....	15,075	10,690	5,828	3,628	2,006	55.29
STELLA.....	*	*	685	857	1,198	139.79
VALERA (350427)...	*	3,166	3,776	4,026	3,361	83.48
VAN.....	2,591	3,168	3,063	2,770	3,309	119.46
VEGA (31034).....	1,148	1,528	1,608	1,598	784	49.06
VENUS (35042).....	8,609	7,873	6,101	4,330	3,703	85.52
VIC (27026).....	6,084	4,141	2,957	2,623	1,533	58.44
VICTOR.....	4,635	3,949	2,699	1,459	762	52.23
VISCOUNT (V15061).	*	*	*	*	989	*
VISTA (35031).....	16,663	16,029	12,028	9,385	6,109	65.09
VIVA (35033).....	*	*	2,472	3,082	2,807	91.08
VOGUE (35038).....	*	*	1,420	1,192	864	72.48
WINDSOR.....	18,459	11,898	7,658	4,801	3,024	62.99
OTHER VARIETIES...	14,013	7,980	7,544	3,901	1,875	48.06
TOTAL.....	142,218	114,009	94,597	72,652	55,098	75.84

\* Not specified in these years, may be included in OTHER VARIETIES.



TABLE 6 - SWEET CHERRY TREES BY VARIETY AND DISTRICT, ONTARIO, 1986

NO. OF TREES	ST. LAWRENCE VALLEY	EASTERN ONTARIO	GEORGIAN BAY	CENTRAL ONTARIO	NIAGARA	SOUTH- WESTERN ONTARIO	TOTAL	VARIETY AS % OF TOTAL
BING.....	13	24	21	69	3,298	751	4,176	7.58
BLACK TARTARIAN...	0	1	3	0	314	145	463	0.84
HEDELFINGEN.....	12	60	85	61	13,860	3,183	17,261	31.33
LAMBERT.....	0	4	0	0	218	38	260	0.47
NAPOLEON.....	0	1	0	2	420	191	614	1.11
SCHMIDT.....	0	0	0	15	1,509	482	2,006	3.64
STELLA.....	10	2	3	5	918	260	1,198	2.17
VALERA (350427)...	0	15	17	0	2,159	1,170	3,361	6.10
VAN.....	10	2	0	0	2,456	841	3,309	6.01
VEGA (31034).....	0	0	10	0	711	63	784	1.42
VENUS (35042).....	0	0	26	0	3,358	319	3,703	6.72
VIC (27026).....	2	0	0	0	1,250	281	1,533	2.78
VICTOR.....	0	7	0	0	638	117	762	1.38
VISCOUNT (V15061)...	0	0	0	10	836	143	989	1.79
VISTA (35031).....	10	0	4	5	5,189	901	6,109	11.09
VIVA (35033).....	10	0	0	3	2,422	372	2,807	5.09
VOGUE (35038).....	0	15	0	0	624	225	864	1.57
WINDSOR.....	0	0	0	70	2,047	907	3,024	5.49
OTHER VARIETIES...	8	10	25	0	1,496	336	1,875	3.40
TOTAL.....	75	141	194	240	43,723	10,725	55,098	100.00
DISTRICT AS % OF TOTAL.....	0.14	0.26	0.35	0.44	79.35	19.47	100.00	

TABLE 7 - SWEET CHERRY TREES BY VARIETY AND AGE GROUP, ONTARIO, 1986

VARIETY	1 TO 10 YEARS	11 TO 20 YEARS	21 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
BING.....	1,193	1,350	1,633	4,176	7.58
BLACK TARTARIAN.....	6	149	308	463	0.84
HEDELFINGEN.....	5,369	5,751	6,141	17,261	31.33
LAMBERT.....	35	41	184	260	0.47
NAPOLEON.....	39	69	506	614	1.11
SCHMIDT.....	257	592	1,157	2,006	3.64
STELLA.....	976	145	77	1,198	2.17
VALERA (350427).....	1,444	1,534	383	3,361	6.10
VAN.....	1,387	984	938	3,309	6.01
VEGA (31034).....	216	279	289	784	1.42
VENUS (35042).....	467	1,061	2,175	3,703	6.72
VIC (27026).....	342	575	616	1,533	2.78
VICTOR.....	177	122	463	762	1.38
VISCOUNT (V15061).....	859	95	35	989	1.79
VISTA (35031).....	709	2,649	2,751	6,109	11.09
VIVA (35033).....	1,306	1,136	365	2,807	5.09
VOGUE (35038).....	509	251	104	864	1.57
WINDSOR.....	193	648	2,183	3,024	5.49
OTHER VARIETIES.....	575	351	949	1,875	3.40
TOTAL.....	16,059	17,782	21,257	55,098	100.00
AGE GROUP AS % OF TOTAL.....	29.15	32.27	38.58	100.00	



TABLE 8 - SWEET CHERRY TREES BY VARIETY AND AGE GROUP, EASTERN ONTARIO AND ST. LAWRENCE DISTRICTS, 1986

VARIETY	1 TO 10 YEARS	11 TO 20 YEARS	21 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
BING.....	35	2	0	37	17.13
BLACK TARTARIAN.....	0	1	0	1	0.46
HEDELFINGEN.....	72	0	0	72	33.33
LAMBERT.....	4	0	0	4	1.85
NAPOLEON.....	1	0	0	1	0.46
STELLA.....	12	0	0	12	5.56
VALERA (350427).....	15	0	0	15	6.94
VAN.....	12	0	0	12	5.56
VIC (27026).....	2	0	0	2	0.93
VICTOR.....	7	0	0	7	3.24
VISTA (35031).....	10	0	0	10	4.63
VIVA (35033).....	10	0	0	10	4.63
VOGUE (35038).....	15	0	0	15	6.94
OTHER VARIETIES.....	18	0	0	18	8.33
TOTAL.....	213	3	0	216	100.00
AGE GROUP AS % OF TOTAL.....	98.61	1.39	0.00	100.00	

TABLE 9 - SWEET CHERRY TREES BY VARIETY AND AGE GROUP, CENTRAL ONTARIO AND GEORGIAN BAY DISTRICTS, 1986

VARIETY	1 TO 10 YEARS	11 TO 20 YEARS	21 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
BING.....	49	17	24	90	20.74
BLACK TARTARIAN.....	0	3	0	3	0.69
HEDELFINGEN.....	116	5	25	146	33.64
NAPOLEON.....	0	0	2	2	0.46
SCHMIDT.....	0	0	15	15	3.46
STELLA.....	8	0	0	8	1.84
VALERA (350427).....	17	0	0	17	3.92
VEGA (31034).....	10	0	0	10	2.30
VENUS (35042).....	26	0	0	26	5.99
VISCOUNT (V15061).....	10	0	0	10	2.30
VISTA (35031).....	4	0	5	9	2.07
VIVA (35033).....	3	0	0	3	0.69
WINDSOR.....	0	0	70	70	16.13
OTHER VARIETIES.....	25	0	0	25	5.76
TOTAL.....	268	25	141	434	100.00
AGE GROUP AS % OF TOTAL.....	61.75	5.76	32.49	100.00	

TABLE 10 - SWEET CHERRY TREES BY VARIETY AND AGE GROUP, NIAGARA DISTRICT, 1986

VARIETY	1 TO 10 YEARS	11 TO 20 YEARS	21 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
BING.....	735	1,154	1,409	3,298	7.54
BLACK TARTARIAN.....	5	90	219	314	0.72
HEDELFINGEN.....	3,460	4,606	5,794	13,860	31.70
LAMBERT.....	6	31	181	218	0.50
NAPOLEON.....	7	49	364	420	0.96
SCHMIDT.....	85	422	1,002	1,509	3.45
STELLA.....	738	103	77	918	2.10
VALERA (350427).....	680	1,121	358	2,159	4.94
VAN.....	1,057	606	793	2,456	5.62
VEGA (31034).....	146	277	288	711	1.63
VENUS (35042).....	268	1,001	2,089	3,358	7.68
VIC (27026).....	308	401	541	1,250	2.86
VICTOR.....	113	107	418	638	1.46
VISCOUNT (V15061).....	722	79	35	836	1.91
VISTA (35031).....	434	2,313	2,442	5,189	11.87
VIVA (35033).....	1,062	1,035	325	2,422	5.54
VOGUE (35038).....	299	221	104	624	1.43
WINDSOR.....	45	496	1,506	2,047	4.68
OTHER VARIETIES.....	292	320	884	1,496	3.42
TOTAL.....	10,462	14,432	18,829	43,723	100.00
AGE GROUP AS % OF TOTAL.....	23.93	33.01	43.06	100.00	

TABLE 11 - SWEET CHERRY TREES BY VARIETY AND AGE GROUP, SOUTHWESTERN ONTARIO DISTRICT, 1986

VARIETY	1 TO 10 YEARS	11 TO 20 YEARS	21 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
BING.....	374	177	200	751	7.00
BLACK TARTARIAN.....	1	55	89	145	1.35
HEDELFINGEN.....	1,721	1,140	322	3,183	29.68
LAMBERT.....	25	10	3	38	0.35
NAPOLEON.....	31	20	140	191	1.78
SCHMIDT.....	172	170	140	482	4.49
STELLA.....	218	42	0	260	2.42
VALERA (350427).....	732	413	25	1,170	10.91
VAN.....	318	378	145	841	7.84
VEGA (31034).....	60	2	1	63	0.59
VENUS (35042).....	173	60	86	319	2.97
VIC (27026).....	32	174	75	281	2.62
VICTOR.....	57	15	45	117	1.09
VISCOUNT (V15061).....	127	16	0	143	1.33
VISTA (35031).....	261	336	304	901	8.40
VIVA (35033).....	231	101	40	372	3.47
VOGUE (35038).....	195	30	0	225	2.10
WINDSOR.....	148	152	607	907	8.46
OTHER VARIETIES.....	240	31	65	336	3.13
TOTAL.....	5,116	3,322	2,287	10,725	100.00
AGE GROUP AS % OF TOTAL.....	47.70	30.97	21.32	100.00	

## SECTION III — TART CHERRIES

### PRODUCTION AND MARKETING

Tart cherry trees are particularly vulnerable to cold, winter damage and late spring frosts. Grower interest in production has been declining over the past 20 years.

There were 2,130 acres of tart cherries in Ontario in 1986, compared to 2,500 in 1981 (Table 12). Marketed production levels varied considerably during that period from a low of 2,577 tons in 1981 to a high of 7,643 in 1984. Severe cold temperatures during the winter of 1980-1981, and a late spring frost in 1986 were responsible for

lower production levels in 1981 and 1986, respectively. The 5 year average production for 1982-1986 was 6,437 tons compared to 6,970 for 1977-1981. Total farm value for 1986 was \$3.6 million and ranged from a low of \$3.0 million in 1981 to a high of \$6.5 million in 1983 (Table 12).

During the period from 1982 to 1986, an average of 93 percent of the crop was utilized for processing, compared to 86 percent for 1977-1981. The tonnage of tart cherries sold to the fresh and processing sectors for 1981-1986 is shown in Table 13.

TABLE 12 - TART CHERRIES, ESTIMATED AREA, PRODUCTION AND FARM VALUE, ONTARIO, 1986

	AREA	MARKETED PRODUCTION	FARM VALUE	
			UNIT	TOTAL
	ACRES	TONS	CENTS/LB	\$'000
1981.....	2,500	2,577	58.1	2,993
1982.....	2,207	7,145	23.3	3,330
1983.....	2,161	6,321	51.4	6,500
1984.....	2,253	7,643	35.1	5,366
1985.....	2,166	6,848	38.5	5,270
1986.....	2,130	4,230	42.2	3,569

TABLE 13 - TART CHERRIES, MARKETED PRODUCTION, ONTARIO, 1981-1986

	1981	1982	1983	1984	1985	1986
	- TONS -					
FRESH.....	40	560	607	522	377	232
PROCESSED AND DISTILLED*.....	2,537	6,585	5,714	7,121	6,471	3,998
TOTAL PRODUCTION.....	2,577	7,145	6,321	7,643	6,848	4,230

\*SOURCE: ONTARIO TENDER FRUIT PRODUCERS' MARKETING BOARD



## CENSUS HIGHLIGHTS

### Farm Size and Regional Distribution

A total of 547 growers reported tart cherry trees in 1986 (Table 14), down from 729 in 1981. The Niagara district continued in 1986 to have the greatest number of farms (363) followed by Southwestern Ontario (100). However, the distribution of numbers of farms among the districts has changed from 1981 to 1986 with the Niagara district accounting for 66 percent of the farms in 1986 compared to 76 percent in 1981. Most tart cherry orchards are small with 63 percent of farms reporting 100 trees or less. The distribution of tart cherry trees per farm in 1986 is relatively unchanged from 1981.

### Tree Distribution and Age

The number of tart cherry trees in Ontario declined from 297,862 in 1966 to 230,000 in 1986. Montmorency continues to be the most important variety, accounting for 99 percent of all tart cherry trees (Table 15). The Niagara district continues to have the majority of tart cherry trees, 75 and 76 percent in 1986 and 1981 respectively (Table 16). The number of trees in Niagara decreased from 184,157 trees in 1981 to 172,762 trees in 1986. In the Southwestern Ontario district the number of trees increased from 45,567 trees in 1981 to 47,254 trees in 1986, and its provincial portion of total tart cherry trees increased from 19 percent in 1981 to 21 percent in 1986.

For the entire province, 36 percent of tart cherry trees are in the 1-5 year age category (Table 17), compared to 31 percent in 1981. In actual numbers, 83,304 trees were in this category in 1986, compared to 76,510 in 1981. This suggests continued grower interest in tart cherry production.

In Eastern and St. Lawrence Ontario districts, 56 percent of the trees were in the 1-5 year age category (Table 18), compared to 39 percent in 1981. However, the actual number of trees in that category in 1986 was lower than in 1981, and the

total number of trees for all age categories was only 4,473 in 1986, compared to 8,448 in 1981. This suggests a declining interest in tart cherry production for those districts. The number of trees in the Georgian Bay district in 1986 remained insignificant at 1,306 trees (Table 19), compared to 1,038 in 1981. However, it is interesting to note that in 1986, 48 percent of trees were in the 1-5 year age category, compared to less than 1 percent in 1981.

In the Central Ontario district there were 4,205 tart cherry trees in 1986 (Table 20), compared to 4,214 in 1981. It is interesting to note that 39 percent of the trees in 1986 were in the 1-5 year age category compared to only 12 percent in 1981. This suggests that grower interest in tart cherry production may be on the upswing.

In the Niagara district, 61,160 tart cherry trees in 1986 were 1-5 years old (Table 21), compared to 55,565 trees in 1981. Since 1981, there has been a decline of 39,000 trees in the 11 and up age category, while the 1-10 year old trees increased by 27,600 trees.

In the Southwestern Ontario district, there were 17,346 trees in the 1-5 year age group in 1986, representing 37 percent of all tart cherry trees in that district. This is comparable to the number and percentage of trees in that age group in 1981.

### Varieties

Montmorency is the most popular tart cherry in North America. It accounts for 99 percent of total trees in Ontario, and is the only variety of commercial significance. Of total Montmorency trees, 36 percent were in the 1-5 year age category, compared to 52 percent for other tart cherry varieties (Table 17). Other varieties grown on a limited scale and recommended by the Horticultural Research Institute of Ontario include North Star and English Morello. Meteor is presently classified as experimental. Tree numbers for varieties of non-commercial significance in 1986 are listed in the Appendix (Table 2).

TABLE 14 - FARMS REPORTING TART CHERRY TREES BY NUMBER OF TREES ON FARM,  
ONTARIO, 1986

NO. OF TREES	ST. LAWRENCE VALLEY	EASTERN ONTARIO	GEORGIAN BAY	CENTRAL ONTARIO	NIAGARA	SOUTH- WESTERN ONTARIO	TOTAL	FARMS AS % OF TOTAL
1-10.....	2	28	17	8	85	38	178	32.54
11-100.....	3	9	2	2	129	24	169	30.90
101-200.....	1	1	1	0	49	8	60	10.97
201-500.....	0	0	2	4	41	9	56	10.24
501-1,000.....	0	0	1	1	24	8	34	6.22
1,001-2,500....	0	0	0	1	16	8	25	4.57
2,501-5,000....	0	1	0	0	11	3	15	2.74
5,001 AND OVER.	0	0	0	0	8	2	10	1.83
TOTAL FARMS....	6	39	23	16	363	100	547	100.00
FARMS AS % OF TOTAL.....	1.10	7.13	4.20	2.93	66.36	18.28	100.00	

TABLE 15 - TART CHERRY TREES IN ONTARIO, 1966-1986

VARIETY	1966	1971	1976	1981	1986	1986 AS % OF 1981
MONTMORENCY.....	284,352	271,852	221,443	241,327	227,644	94.33
OTHER VARIETIES.....	13,510	7,236	2,818	2,097	2,356	112.35
TOTAL.....	297,862	279,088	224,261	243,424	230,000	94.49

TABLE 16 - TART CHERRY TREES BY VARIETY AND DISTRICT, ONTARIO, 1986

NO. OF TREES	ST. LAWRENCE VALLEY	EASTERN ONTARIO	GEORGIAN BAY	CENTRAL ONTARIO	NIAGARA	SOUTH- WESTERN ONTARIO	TOTAL	VARIETY AS % OF TOTAL
MONTMORENCY.....	181	4,165	1,306	4,180	170,806	47,006	227,644	98.98
OTHER VARIETIES.	95	32	0	25	1,956	248	2,356	1.02
TOTAL.....	276	4,197	1,306	4,205	172,762	47,254	230,000	100.00
DISTRICT AS % OF TOTAL.....	0.12	1.82	0.57	1.83	75.11	20.55	100.00	

TABLE 17 - TART CHERRY TREES BY VARIETY AND AGE GROUP, ONTARIO, 1986

VARIETY	1 TO 5 YEARS	6 TO 10 YEARS	11 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
MONTMORENCY.....	82,075	53,646	38,062	53,861	227,644	98.98
OTHER VARIETIES.....	1,229	379	498	250	2,356	1.02
TOTAL.....	83,304	54,025	38,560	54,111	230,000	100.00
AGE GROUP AS % OF TOTAL.....	36.22	23.49	16.77	23.53	100.00	

TABLE 18 - TART CHERRY TREES BY VARIETY AND AGE GROUP, EASTERN ONTARIO AND ST. LAWRENCE DISTRICTS, 1986

VARIETY	1 TO 5 YEARS	6 TO 10 YEARS	11 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
MONTMORENCY.....	2,413	307	490	1,136	4,346	97.16
OTHER VARIETIES.....	114	13	0	0	127	2.84
TOTAL.....	2,527	320	490	1,136	4,473	100.00
AGE GROUP AS % OF TOTAL.....	56.49	7.15	10.95	25.40	100.00	

TABLE 19 - TART CHERRY TREES BY VARIETY AND AGE GROUP, GEORGIAN BAY DISTRICT, 1986

VARIETY	1 TO 5 YEARS	6 TO 10 YEARS	11 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
MONTMORENCY.....	630	8	337	331	1,306	100.00
OTHER VARIETIES.....	0	0	0	0	0	0.00
TOTAL.....	630	8	337	331	1,306	100.00
AGE GROUP AS % OF TOTAL.....	48.24	0.61	25.80	25.34	100.00	

TABLE 20 - TART CHERRY TREES BY VARIETY AND AGE GROUP, CENTRAL ONTARIO DISTRICT, 1986

VARIETY	1 TO 5 YEARS	6 TO 10 YEARS	11 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
MONTMORENCY.....	1,641	6	540	1,993	4,180	99.41
OTHER VARIETIES.....	0	0	0	25	25	0.59
TOTAL.....	1,641	6	540	2,018	4,205	100.00
AGE GROUP AS % OF TOTAL.....	39.02	0.14	12.84	47.99	100.00	

TABLE 21 - TART CHERRY TREES BY VARIETY AND AGE GROUP, NIAGARA DISTRICT, 1986

VARIETY	1 TO 5 YEARS	6 TO 10 YEARS	11 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
MONTMORENCY.....	60,054	38,671	28,388	43,693	170,806	98.87
OTHER VARIETIES.....	1,106	362	278	210	1,956	1.13
TOTAL.....	61,160	39,033	28,666	43,903	172,762	100.00
AGE GROUP AS % OF TOTAL.....	35.40	22.59	16.59	25.41	100.00	



TABLE 22 - TART CHERRY TREES BY VARIETY AND AGE GROUP, SOUTHWESTERN ONTARIO DISTRICT, 1986

VARIETY	1 TO 5 YEARS	6 TO 10 YEARS	11 TO 20 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
MONTMORENCY.....	17,337	14,654	8,307	6,708	47,006	99.48
OTHER VARIETIES...	9	4	220	15	248	0.52
TOTAL.....	17,346	14,658	8,527	6,723	47,254	100.00
AGE GROUP AS % OF TOTAL.....	36.71	31.02	18.05	14.23	100.00	

## SECTION IV — NECTARINES

Nectarines were originally developed as bud sports of peaches. Nectarines are of the same species as peaches, although nectarines are usually smaller, have smooth skin and a different flavour. Nectarines may be yellow or white-fleshed. As in the case of peaches, cultivars are described as clingstone, freestone, or semi-cling. Nectarines were first reported in the Fruit Tree Census in 1981.

The Horticultural Research Institute of Ontario does not recommend nectarines for general planting due to winter injury restricting production. Cultivars recommended for limited planting include Harko, Hardired, and Nectareds 2-6.

Other cultivars are at the trial planting phase.

The 1986 Census reported 162 nectarine growers in Ontario (Table 23). Nectarine tree numbers have declined from 7,595 in 1981 to 7,351 in 1986. The majority of nectarine trees are located in the Niagara district (79%) and Southwestern Ontario (20%). The 1986 Census indicated that 60 percent of all nectarine trees were in the 1-3 year old age categories, compared to only 27 percent in 1981. In the 4-9 and 10 years and over age category, there were only 2,922 trees in 1986 compared to 5,526 in 1981. This significant drop in the number of productive nectarine trees was the result of a severe winter in 1983-1984.

TABLE 23 - NECTARINE TREES BY AGE GROUP AND DISTRICT, ONTARIO, 1986

	1 TO 3 YEARS	4 TO 9 YEARS	10 YEARS & OVER	TOTAL	REGION AS % OF TOTAL	# OF GROWERS
ST. LAWRENCE VALLEY..	0	0	0	0	0.00	0
EASTERN ONTARIO.....	1	33	0	34	0.46	4
GEORGIAN BAY.....	0	0	0	0	0.00	0
CENTRAL ONTARIO.....	6	0	0	6	0.08	3
NIAGARA.....	3,566	1,863	385	5,814	79.09	112
SOUTHWESTERN ONTARIO.	856	581	60	1,497	20.36	43
TOTAL.....	4,429	2,477	445	7,351	100.00	162
AGE GROUP AS % OF TOTAL.....	60.25	33.70	6.05	100.00		

## SECTION V — PEACHES

### PRODUCTION AND MARKETING

There were 7,200 acres of peach trees in Ontario in 1986, compared to 7,970 in 1981 (Table 24). Although acreage has decreased during that period, production levels have varied from a low of 17,618 tons in 1981 to a high of 35,007 tons in 1985. Marketed production was below average in 1981 as a result of damage during the winter of 1980-1981, and spring frosts. The production level of the 1986 crop would have been similar to 1985 had it not been for a hail storm which destroyed 19 percent of that crop. The 5 year average production for 1982-1986 was 28,397 tons, compared to 29,790 tons for 1977-1981. Total farm value in 1986 was \$15.9 million and ranged between 1981-1986 from a low of \$9.8 million in 1981 to a high of \$17.8 million in 1985 (Table 24).

During the period from 1982-1986, an average of 82 percent of the crop was utilized by the fresh market compared to

85 percent for 1977-1981. There has been an increase in the quantity of peaches utilized for processing from 2,508 tons in 1981 (an all time low) to 7,079 tons in 1985 (Table 25).

In 1981, the Ontario Ministry of Agriculture and Food (OMAF) initiated the Ontario Clingstone Peach Processing Tree Planting Assistance Program with the objective of increasing peach production for processing to approximately 9,000 tons by 1993. The program reimbursed growers for the nursery cost of clingstone trees and was extended until 1986. In 1987, the Ontario Clingstone Peach Processing Tree Planting Assistance Program was extended by OMAF. It will run until 1991 and will refund 50 percent of the tree cost. The program has provided an excellent incentive to expand plantings. Limited availability of trees from Ontario nurseries, however, has kept plantings from reaching even greater numbers. Supply should meet demand by 1988.

TABLE 24 - PEACHES, ESTIMATED AREA, PRODUCTION AND FARM VALUE, ONTARIO, 1981-1986

	AREA	MARKETED PRODUCTION	FARM VALUE	
			UNIT	TOTAL
	ACRES	TONS	CENTS/LB	\$'000
1981.....	7,970	17,618	27.9	9,847
1982.....	6,875	25,921	29.9	15,516
1983.....	6,777	29,872	23.6	14,076
1984.....	6,777	22,736	28.8	13,106
1985.....	7,483	35,007	25.4	17,814
1986.....	7,200	28,449	28.0	15,925

TABLE 25 - PEACHES, MARKETED PRODUCTION, ONTARIO, 1981-1986

	1981	1982	1983	1984	1985	1986
	- TONS -					
FRESH.....	15,110	21,100	25,387	19,313	27,928	22,998
PROCESSING*:						
VEES.....	59	9	53	13	17	17
ELBERTAS.....	7	0	0	0	10	0
GOLDEN JUBILEES.....	261	205	45	13	15	15
CLINGSTONES.....	2,181	4,607	4,387	3,397	7,037	5,419
TOTAL PROCESSING.....	2,508	4,821	4,485	3,423	7,079	5,451
TOTAL PRODUCTION.....	17,618	25,921	29,872	22,736	35,007	28,449

\*SOURCE: ONTARIO TENDER FRUIT PRODUCERS' MARKETING BOARD

## CENSUS HIGHLIGHTS

### Farm Size and Regional Distribution

A total of 687 growers reported peach trees in 1986 (Table 26), down from 828 in 1981. However, the number of peach trees per farm increased during that 5 year period. In 1986, 14 percent of the farms had more than 2,500 peach trees compared to 11 percent in 1981, and the total number of trees had increased 12 percent from 1981 to 1986 (Table 27).

The Niagara district continued to have the major portion of peach farms in 1986 (Table 26), although the number of growers declined from 639 in 1981 to 496 in 1986. Twenty-four percent of peach growers were in Southwestern Ontario in 1986 compared to 21 percent in 1981, although there were fewer growers in 1986. The number of growers in other districts has increased slightly from 1981 to 1986.

### Tree Distribution and Age

The number of peach trees in Ontario increased by 12 percent from 1981 to 1986, to a level of 1,078,707 trees. Freestone varieties increased by 7 percent, while clingstones increased by 48 percent (Table 27). This ends a long-term decline in the total number of trees.

Virtually all peach trees were located in the Niagara (88%) and Southwestern Ontario (12%) districts in 1986 (Table 28). This remains unchanged from 1981. The Southwestern Ontario district lost half of the 230,654 trees reported in the 1976 Census as a result of severe frost damage during the period from 1976 to 1981. The number of trees in that district for 1986 increased only slightly from the 1981 total.

Peach trees in the 1-3 year age group accounted for 29 percent of the total in 1986, compared to 30 percent in 1981 (Table 29). The percentage of peach trees in the 1-3 year age category in Niagara and Southwestern Ontario districts (Tables 30 and 31) is fairly similar to the Ontario distribution. In Southwestern Ontario, the percentage of trees in the 4-9 year age category (63%) is significantly higher than that of the province (52%). This is a result of tree replacement for frost kill in the 1970's.

## Varieties

The most abundant freestone peach varieties in 1986 (Table 27) were Redhaven (186,510), Loring (85,974), Garnet Beauty (81,357), Vivid (59,976), Canadian Harmony (55,347) and Sunhaven (54,345). Varieties showing the largest proportional increase in the total numbers of trees from 1981 to 1986 were: Veeglo (up 131%), Candor (up 56%), Cresthaven (up 56%), Canadian Harmony (up 40%), Garnet Beauty (up 36%) and Vivid (up 35%). Major declines occurred with Veivet (down 74%), Harbinger (down 73%), Earlired (down 62%) and Envoy (down 56%). In 1986, Vivid replaced Sunhaven as the 4th most abundant freestone variety in the Province.

Early Redhaven, Newhaven, Redkist and Brighton are varieties of freestones that were represented in the Census for the first time (Table 27). Newhaven, Redkist and Brighton are presently at the trial planting stage. Early Redhaven is quickly becoming one of the most important varieties. It is a well coloured fruit of good flesh firmness and quality. Golden Jubilee is no longer listed in the tables. It is not recommended for planting due to availability of superior varieties which bruise less and have better quality. In the 1986 Census there were only 323 Golden Jubilee trees (Appendix, Table 3) compared to 322,940 in 1956.

Freestone varieties showing the largest number of new plantings (1-3 year age category) in 1986 (Table 29) include: Redhaven (51,362), Garnet Beauty (27,411), Canadian Harmony (20,424), Early Redhaven (18,800), Loring (17,671), Vivid (15,724) and, Sunhaven (15,549).

The most abundant clingstone varieties in 1986 were, Babygold 7 (66,498), Babygold 5 (63,609) and Veecling (48,444). Veecling, introduced in 1974, increased from 13,835 trees in 1981 to 48,444 trees in 1986. However, most Veecling peach trees are in the 4-9 year age category (72%) compared to 22 percent in the 1-3 year age group, suggesting that the popularity of Veecling has leveled off (Table 29). The number of Suncling trees has decreased 57 percent from 1981 to 1986.

Peach varieties which were commercially insignificant in 1986 are listed in the Appendix (Table 3).



TABLE 26 - FARMS REPORTING PEACHES BY NUMBER OF TREES ON FARM, ONTARIO, 1986

NO. OF TREES	ST. LAWRENCE VALLEY	EASTERN ONTARIO	GEORGIAN BAY	CENTRAL ONTARIO	NIAGARA	SOUTH- WESTERN ONTARIO	TOTAL	FARMS AS % OF TOTAL
1-10.....	0	8	4	6	34	15	67	9.75
11-100.....	1	2	0	3	68	35	109	15.87
101-200.....	0	0	0	0	48	14	62	9.02
201-500.....	0	0	0	0	60	38	98	14.26
501-1,000.....	0	0	0	0	99	27	126	18.34
1,001-2,500....	0	0	0	0	101	28	129	18.78
2,501-5,000....	0	0	0	0	47	8	55	8.01
5,001 AND OVER.	0	0	0	0	39	2	41	5.97
TOTAL FARMS....	1	10	4	9	496	167	687	100.00
FARMS AS % OF TOTAL.....	0.15	1.46	0.58	1.31	72.20	24.31	100.00	

TABLE 27 - PEACH TREES IN ONTARIO, 1966-1986

VARIETY	1966	1971	1976	1981	1986	1986 AS % OF 1981
BISCOE.....	*	*	*	4,974	4,685	94.19
BRIGHTON.....	*	*	*	*	6,420	*
CANADIAN HARMONY....	*	8,218	30,614	39,467	55,347	140.24
CANDOR.....	*	*	14,038	24,775	38,703	156.22
CRESTHAVEN.....	*	7,616	14,258	24,634	38,333	155.61
EARLIGLO.....	1,525	9,613	13,760	11,618	11,946	102.82
EARLIRED.....	27,210	46,228	44,994	23,992	9,105	37.95
EARLY REDHAVEN.....	*	*	*	*	40,015	*
ENVOY.....	45,444	43,095	36,737	18,849	8,343	44.26
GARNET BEAUTY.....	13,875	25,850	43,623	59,634	81,357	136.43
HARBELLE.....	*	7,749	27,065	40,447	33,335	82.42
HARBINGER.....	*	*	19,456	15,543	4,274	27.50
HARBRITE.....	*	*	16,868	27,843	32,001	114.93
HARKEN.....	*	*	9,951	17,995	18,387	102.18
LORING.....	53,362	80,511	97,538	97,882	85,974	87.83
MADISON.....	*	15,344	25,297	24,542	18,466	75.24
NEWHAVEN.....	*	*	*	*	8,169	*
REDHAVEN.....	133,006	168,111	185,137	178,741	186,510	104.35
REDKIST.....	*	*	*	*	8,047	*
REDSKIN.....	23,407	22,862	31,227	29,142	28,842	98.97
SENTINEL.....	*	*	1,911	3,817	4,648	121.77
SUNHAVEN.....	65,681	75,749	72,055	52,120	54,345	104.27
VANITY.....	*	7,874	15,620	20,292	13,215	65.12
VEEGLO (V55123)....	*	*	*	7,711	17,789	230.70
VELVET.....	5,003	17,762	17,927	12,843	3,382	26.33
VIVID.....	*	*	12,438	44,493	59,976	134.80
OTHER FREESTONE.....	675,207	378,098	165,447	45,669	10,360	22.68
TOTAL FREESTONE.....	1,043,720	914,680	895,961	827,023	881,974	106.64
BABYGOLD 5.....	13,303	21,835	49,210	56,819	63,609	111.95
BABYGOLD 7.....	18,935	22,922	39,842	51,953	66,498	128.00
SUNCLING.....	2,863	5,488	5,698	9,071	3,894	42.93
VEECLING.....	*	*	*	13,835	48,444	350.16
OTHER CLINGSTONE....	18,048	13,458	5,965	1,265	14,288	1,129.49
TOTAL CLINGSTONE....	53,149	63,703	100,715	132,943	196,733	147.98
TOTAL.....	1,096,869	978,383	996,676	959,966	1,078,707	112.37

\* - Included in OTHER FREESTONE/OTHER CLINGSTONE

TABLE 28 - PEACH TREES BY VARIETY AND DISTRICT, ONTARIO, 1986

VARIETY	NIAGARA	SOUTH- WESTERN ONTARIO	OTHER ONTARIO DISTRICTS	TOTAL	VARIETY AS % OF TOTAL
BISCOE.....	3,626	1,059	0	4,685	0.43
BRIGHTON.....	6,314	104	2	6,420	0.60
CANADIAN HARMONY.....	45,672	9,674	1	55,347	5.13
CANDOR.....	35,087	3,616	0	38,703	3.59
CRESTHAVEN.....	32,628	5,705	0	38,333	3.55
EARLIGLO.....	11,892	54	0	11,946	1.11
EARL IRED.....	8,715	390	0	9,105	0.84
EARLY REDHAVEN.....	38,605	1,398	12	40,015	3.71
ENVOY.....	7,180	1,163	0	8,343	0.77
GARNET BEAUTY.....	70,413	10,944	0	81,357	7.54
HARBELLE.....	30,402	2,933	0	33,335	3.09
HARBINGER.....	3,031	1,243	0	4,274	0.40
HARBRITE.....	24,438	7,562	1	32,001	2.97
HARKEN.....	14,194	4,193	0	18,387	1.70
LORING.....	80,403	5,502	69	85,974	7.97
MADISON.....	16,773	1,693	0	18,466	1.71
NEWHAVEN.....	7,492	672	5	8,169	0.76
REDHAVEN.....	157,098	29,285	127	186,510	17.29
REDKIST.....	7,344	703	0	8,047	0.75
REDSKIN.....	26,827	2,015	0	28,842	2.67
SENTINEL.....	4,638	10	0	4,648	0.43
SUNHAVEN.....	52,305	1,998	42	54,345	5.04
VANITY.....	13,045	166	4	13,215	1.23
VEEGLO (V55123).....	17,043	746	0	17,789	1.65
VELVET.....	3,362	20	0	3,382	0.31
VIVID.....	56,640	3,336	0	59,976	5.56
OTHER FREESTONE.....	8,161	2,188	11	10,360	0.96
TOTAL FREESTONE.....	783,328	98,372	274	881,974	81.76
BABYGOLD 5.....	60,626	2,927	56	63,609	5.90
BABYGOLD 7.....	63,990	2,508	0	66,498	6.16
SUNCLING.....	3,885	9	0	3,894	0.36
VEECLING.....	33,137	15,307	0	48,444	4.49
OTHER CLINGSTONE.....	6,485	7,800	3	14,288	1.32
TOTAL CLINGSTONE.....	168,123	28,551	59	196,733	18.24
TOTAL.....	951,451	126,923	333	1,078,707	100.00
DISTRICT AS % OF TOTAL.....	88.20	11.77	0.03	100.00	

TABLE 29 - PEACH TREES BY VARIETY AND AGE GROUP, ONTARIO, 1986

VARIETY	1 TO 3 YEARS	4 TO 9 YEARS	10 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
BISCOE.....	1,566	2,804	315	4,685	0.43
BRIGHTON.....	4,171	1,809	440	6,420	0.60
CANADIAN HARMONY.....	20,424	26,876	8,047	55,347	5.13
CANDOR.....	11,300	23,025	4,378	38,703	3.59
CRESTHAVEN.....	12,610	18,311	7,412	38,333	3.55
EARLIGLO.....	3,929	6,437	1,580	11,946	1.11
EARLIRE.....	874	4,521	3,710	9,105	0.84
EARLY REDHAVEN.....	18,800	18,232	2,983	40,015	3.71
ENVOY.....	1,870	2,540	3,933	8,343	0.77
GARNET BEAUTY.....	27,411	40,296	13,650	81,357	7.54
HARBELLE.....	5,713	22,527	5,095	33,335	3.09
HARBINGER.....	352	2,542	1,380	4,274	0.40
HARBRITE.....	7,366	20,399	4,236	32,001	2.97
HARKEN.....	2,991	13,494	1,902	18,387	1.70
LORING.....	17,671	47,520	20,783	85,974	7.97
MADISON.....	5,156	7,938	5,372	18,466	1.71
NEWHAVEN.....	3,961	3,908	300	8,169	0.76
REDHAVEN.....	51,362	89,427	45,721	186,510	17.29
REDKIST.....	5,677	2,040	330	8,047	0.75
REDSKIN.....	6,124	14,788	7,930	28,842	2.67
SENTINEL.....	564	3,678	406	4,648	0.43
SUNHAVEN.....	15,549	29,669	9,127	54,345	5.04
VANITY.....	1,729	8,184	3,302	13,215	1.23
VEEGLO (V55123).....	6,360	10,314	1,115	17,789	1.65
VELVET.....	489	2,051	842	3,382	0.31
VIVID.....	15,724	36,427	7,825	59,976	5.56
OTHER FREESTONE.....	5,225	2,280	2,855	10,360	0.96
TOTAL FREESTONE.....	254,968	462,037	164,969	881,974	81.76
BABYGOLD 5.....	15,970	29,282	18,357	63,609	5.90
BABYGOLD 7.....	19,043	30,437	17,018	66,498	6.16
SUNCLING.....	922	2,449	523	3,894	0.36
VEECLING.....	10,803	34,654	2,987	48,444	4.49
OTHER CLINGSTONE.....	8,660	5,055	573	14,288	1.32
TOTAL CLINGSTONE.....	55,398	101,877	39,458	196,733	18.24
TOTAL.....	310,366	563,914	204,427	1,078,707	100.00
AGE GROUP AS % OF TOTAL.....	28.77	52.28	18.95	100.00	



TABLE 30 - PEACH TREES BY VARIETY AND AGE GROUP, NIAGARA DISTRICT, 1986

VARIETY	1 TO 3 YEARS	4 TO 9 YEARS	10 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
BISCOE.....	1,222	2,089	315	3,626	0.38
BRIGHTON.....	4,067	1,807	440	6,314	0.66
CANADIAN HARMONY.....	17,403	20,863	7,406	45,672	4.80
CANDOR.....	10,336	20,463	4,288	35,087	3.69
CRESTHAVEN.....	11,200	14,131	7,297	32,628	3.43
EARLIGLO.....	3,929	6,383	1,580	11,892	1.25
EARLIRED.....	784	4,241	3,690	8,715	0.92
EARLY REDHAVEN.....	18,034	17,638	2,933	38,605	4.06
ENVOY.....	1,483	1,986	3,711	7,180	0.75
GARNET BEAUTY.....	23,964	34,097	12,352	70,413	7.40
HARBELLE.....	4,995	20,459	4,948	30,402	3.20
HARBINGER.....	126	1,651	1,254	3,031	0.32
HARBRITE.....	5,909	14,608	3,921	24,438	2.57
HARKEN.....	2,026	10,595	1,573	14,194	1.49
LORING.....	16,341	43,568	20,494	80,403	8.45
MADISON.....	4,541	7,178	5,054	16,773	1.76
NEWHAVEN.....	3,693	3,499	300	7,492	0.79
REDHAVEN.....	41,303	73,353	42,442	157,098	16.51
REDKIST.....	5,492	1,722	130	7,344	0.77
REDSKIN.....	5,708	13,219	7,900	26,827	2.82
SENTINEL.....	564	3,678	396	4,638	0.49
SUNHAVEN.....	14,586	29,083	8,636	52,305	5.50
VANITY.....	1,714	8,029	3,302	13,045	1.37
VEEGLO (V55123).....	6,234	9,694	1,115	17,043	1.79
VELVET.....	489	2,031	842	3,362	0.35
VIVID.....	14,461	34,360	7,819	56,640	5.95
OTHER FREESTONE.....	3,512	1,839	2,810	8,161	0.86
TOTAL FREESTONE.....	224,116	402,264	156,948	783,328	82.33
BABYGOLD 5.....	15,191	27,267	18,168	60,626	6.37
BABYGOLD 7.....	18,545	28,590	16,855	63,990	6.73
SUNCLING.....	922	2,440	523	3,885	0.41
VEECLING.....	8,432	21,803	2,902	33,137	3.48
OTHER CLINGSTONE.....	4,603	1,309	573	6,485	0.68
TOTAL CLINGSTONE.....	47,693	81,409	39,021	168,123	17.67
TOTAL.....	271,809	483,673	195,969	951,451	100.00
AGE GROUP AS % OF TOTAL.....	28.57	50.84	20.60	100.00	

TABLE 31 - PEACH TREES BY VARIETY AND AGE GROUP, SOUTHWESTERN ONTARIO  
DISTRICT, 1986

VARIETY	1 TO 3 YEARS	4 TO 9 YEARS	10 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
BISCOE.....	344	715	0	1,059	0.83
BRIGHTON.....	104	0	0	104	0.08
CANADIAN HARMONY.....	3,021	6,012	641	9,674	7.62
CANDOR.....	964	2,562	90	3,616	2.85
CRESTHAVEN.....	1,410	4,180	115	5,705	4.49
EARLIGLO.....	0	54	0	54	0.04
EARLIRED.....	90	280	20	390	0.31
EARLY REDHAVEN.....	754	594	50	1,398	1.10
ENVOY.....	387	554	222	1,163	0.92
GARNET BEAUTY.....	3,447	6,199	1,298	10,944	8.62
HARBELLE.....	718	2,068	147	2,933	2.31
HARBINGER.....	226	891	126	1,243	0.98
HARBRITE.....	1,457	5,790	315	7,562	5.96
HARKEN.....	965	2,899	329	4,193	3.30
LORING.....	1,320	3,893	289	5,502	4.33
MADISON.....	615	760	318	1,693	1.33
NEWHAVEN.....	263	409	0	672	0.53
REDHAVEN.....	10,005	16,011	3,269	29,285	23.07
REDKIST.....	185	318	200	703	0.55
REDSKIN.....	416	1,569	30	2,015	1.59
SENTINEL.....	0	0	10	10	0.01
SUNHAVEN.....	963	544	491	1,998	1.57
VANITY.....	15	151	0	166	0.13
VEEGLO (V55123).....	126	620	0	746	0.59
VELVET.....	0	20	0	20	0.02
VIVID.....	1,263	2,067	6	3,336	2.63
OTHER FREESTONE.....	1,709	434	45	2,188	1.72
TOTAL FREESTONE.....	30,767	59,594	8,011	98,372	77.51
BABYGOLD 5.....	733	2,005	189	2,927	2.31
BABYGOLD 7.....	498	1,847	163	2,508	1.98
SUNCLING.....	0	9	0	9	0.01
VEECLING.....	2,371	12,851	85	15,307	12.06
OTHER CLINGSTONE.....	4,057	3,743	0	7,800	6.15
TOTAL CLINGSTONE.....	7,659	20,455	437	28,551	22.49
TOTAL.....	38,426	80,049	8,448	126,923	100.00
AGE GROUP AS % OF TOTAL.....	30.28	63.07	6.66	100.00	

## SECTION VI — PEARS

### PRODUCTION AND MARKETING

In 1901 there were approximately 850,000 pear trees in Ontario. This declined to 448,000 by 1921 as a result of insect damage (pear psylla). Although pear psylla is under control, fire blight caused grower interest to wane, and by 1981 there were only 368,369 pear trees in Ontario. However, new plantings and stable acreage over the past 5 years suggest that the long term decline has at least halted.

There were 3,500 acres of pear trees in Ontario in 1986, almost identical to the acreage in 1981 (Table 32). Production

levels during that period remained fairly steady, although 1986 was the highest at 17,144 tons. However, the 5 year average marketed production was 14,447 tons for 1982-1986, significantly lower than the 5 year average of 18,925 tons for 1977-1981. Total farm value from 1981-1986 ranged from a low of \$4.8 million in 1982, to a high of \$7.4 million in 1986 (Table 32).

During the period from 1982 to 1986, an average of 57 percent of the crop was utilized by the fresh market, compared to 53 percent for 1977-1981. The tonnage of pears sold to the fresh and processing sectors for 1981-1986 is shown in Table 33.

TABLE 32 - PEARS, ESTIMATED AREA, PRODUCTION AND FARM VALUE, ONTARIO, 1981-1986

	AREA	MARKETED PRODUCTION	FARM VALUE	
			UNIT	TOTAL
	ACRES	TONS	CENTS/LB	\$'000
1981.....	3,505	14,180	17.5	4,959
1982.....	3,483	13,288	17.9	4,752
1983.....	3,315	14,189	17.5	4,966
1984.....	3,249	13,563	20.9	5,687
1985.....	3,322	14,053	22.8	6,405
1986.....	3,500	17,144	21.6	7,404

TABLE 33 - PEARS, MARKETED PRODUCTION, ONTARIO, 1981-1986

	1981	1982	1983	1984	1985	1986
	- TONS -					
FRESH.....	6,643	6,678	8,272	8,444	7,579	10,100
PROCESSING*:						
BARTLETT-CANNING, ETC..	-	5,827	5,873	4,789	6,151	6,659
BARTLETT-DISTILLING...	-	27	7	182	123	0
BARTLETT-JUICE.....	-	24	15	0	0	87
CLAPP-CANNING, ETC.....	-	0	0	148	132	257
KIEFFER-CANNING, ETC...	-	696	0	0	0	0
KIEFFER-JUICE.....	-	36	22	0	29	41
KIEFFER-DISTILLING....	-	0	0	0	39	0
TOTAL PROCESSING.....	7,537	6,610	5,917	5,119	6,474	7,044
TOTAL PRODUCTION.....	14,180	13,288	14,189	13,563	14,053	17,144

- FIGURES NOT AVAILABLE

\*SOURCE: ONTARIO TENDER FRUIT PRODUCERS' MARKETING BOARD



## CENSUS HIGHLIGHTS

### Farm Size and Regional Distribution

A total of 1,090 growers reported pear trees in 1986 (Table 34) compared to 1,255 in 1981. However, the number of pear trees per farm increased significantly during that 5 year period. In 1986, 90 farms had over 1,000 trees compared to 73 farms in 1981. In 1986, the Niagara district continued to have the majority of pear farms (Table 34), although this has declined from 67 percent in 1981 to 59 percent in 1986. All other districts remained fairly steady in the number of pear producers in 1986 compared to 1981.

### Tree Distribution and Age

The number of pear trees in Ontario increased to 378,961 in 1986 from 368,369 in 1981 (Table 35). This 3 percent increase from 1981 to 1986 suggests a stabilization of the long term decline of pear trees.

The Niagara region is the main area of provincial pear production with 76 percent of total trees, down from 79 percent in 1981 (Table 36). All other regions exhibited an increase in the number of trees since 1981. Southwestern Ontario accounted for 15 percent of total trees, followed by Central Ontario with 5 percent.

Thirty-two percent of all trees were in the 1-10 year age category in 1986 (Table 37). There was an increase of 44,485 trees in this age category since 1981. It is notable that 52 percent and 47 percent of total Anjou and Bosc trees respectively, were in the 1-10 year category.

There is a strong interest in planting pear trees in the St. Lawrence/Eastern Ontario and Georgian Bay districts. This trend is indicated by 46 and 90 percent respectively of the total number of trees accounted for in the 1-10 year age category (Tables 38 and 39). It should be noted, however, that these districts represent only 4 percent of the provincial total and are commercially insignificant.

Interest in planting new trees is comparable for Central Ontario, Niagara and Southwestern Ontario (Tables 40, 41 and 42), as suggested by the age distribution of trees in the 1-10 year age group (31 to 32%). In the Niagara district, the number of trees in the 1-10 year age group in 1986 was 89,686 (Table 41), compared to only 49,962 in 1981. This suggests that grower interest in pear production is increasing, even though there is a 1 percent decrease in the total number of pear trees in that district.

### Varieties

The most important varieties of pears belong to the European species. Flemish Beauty was recorded for the first time in commercial use in the 1986 Census. Recommended for limited planting only, the fruit is high in quality and is the hardiest cultivar available for cooler districts of Ontario.

Bartlett continues to be the most abundant variety followed by Bosc, accounting for 62 and 24 percent of total pear trees respectively (Table 36). There has been a strong growth of Bosc tree numbers in the past 5 years (up 42%), followed by Flemish Beauty, Anjou (up 20%) and Bartlett (up 4%). Kieffer pear trees, considered to be of low quality, are no longer being planted in 1986 and the number of trees is declining such that they are no longer commercially significant.

The Agriculture Canada Research Station at Harrow, Ontario, introduced two fire blight resistant varieties in 1981- Harrow Queen and Harrow Delight. These are presently grown as trial plantings and have not been evaluated by the Horticultural Research Institute of Ontario, Vineland Station research facilities in the Niagara region. Pear varieties which were commercially insignificant in 1986 are listed in the Appendix (Table 4).

TABLE 34 - FARMS REPORTING PEARS BY NUMBER OF TREES ON FARM, ONTARIO, 1986

NO. OF TREES	ST. LAWRENCE VALLEY	EASTERN ONTARIO	GEORGIAN BAY	CENTRAL ONTARIO	NIAGARA	SOUTH- WESTERN ONTARIO	TOTAL	FARMS AS % OF TOTAL
1-10.....	5	35	23	12	77	69	221	20.28
11-100.....	8	45	9	16	180	76	334	30.64
101-200.....	0	6	1	6	98	24	135	12.39
201-500.....	0	11	1	4	142	43	201	18.44
501-1,000.....	0	1	1	7	83	17	109	10.00
1,001-2,500....	0	1	0	4	52	12	69	6.33
2,501-5,000....	1	1	0	1	11	2	16	1.47
5,001 AND OVER.	0	0	0	0	5	0	5	0.46
TOTAL FARMS....	14	100	35	50	648	243	1,090	100.00
FARMS AS % OF TOTAL.....	1.28	9.17	3.21	4.59	59.45	22.29	100.00	

TABLE 35 - PEAR TREES IN ONTARIO, 1966-1986

VARIETY	1966	1971	1976	1981	1986	1986 AS % OF 1981
ANJOU.....	11,989	11,241	9,902	8,730	10,457	119.78
BARTLETT.....	358,040	318,874	264,573	226,999	235,047	103.55
BOSC.....	53,547	58,649	61,870	64,877	92,177	142.08
CLAPP.....	21,404	21,721	22,339	20,607	20,919	101.51
FLEMISH BEAUTY.....	*	*	*	*	6,828	*
KIEFFER.....	150,646	98,323	51,458	26,983	4,117	15.26
OTHER VARIETIES.....	15,437	16,479	20,166	20,173	9,416	46.68
TOTAL.....	611,063	525,287	430,308	368,369	378,961	102.88

\* - Included in OTHER VARIETIES

TABLE 36 - PEAR TREES BY VARIETY AND DISTRICT, ONTARIO, 1986

VARIETY	ST. LAWRENCE VALLEY	EASTERN ONTARIO	GEORGIAN BAY	CENTRAL ONTARIO	NIAGARA	SOUTH- WESTERN ONTARIO	TOTAL	VARIETY AS % OF TOTAL
ANJOU.....	45	266	133	1,102	6,400	2,511	10,457	2.76
BARTLETT.....	1,483	6,820	567	11,224	179,074	35,879	235,047	62.02
BOSC.....	26	2,030	444	4,057	73,143	12,477	92,177	24.32
CLAPP.....	94	844	84	1,598	16,666	1,633	20,919	5.52
FLEMISH BEAUTY..	74	2,033	141	587	3,506	487	6,828	1.80
KIEFFER.....	0	28	0	396	2,844	849	4,117	1.09
OTHER VARIETIES.	6	122	24	385	7,134	1,745	9,416	2.48
TOTAL.....	1,728	12,143	1,393	19,349	288,767	55,581	378,961	100.00
DISTRICT AS % OF TOTAL.....	0.46	3.20	0.37	5.11	76.20	14.67	100.00	

TABLE 37 - PEAR TREES BY VARIETY AND AGE GROUP, ONTARIO, 1986

VARIETY	1 TO 10 YEARS	11 TO 20 YEARS	21 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
ANJOU.....	5,415	2,780	2,262	10,457	2.76
BARTLETT.....	58,669	69,163	107,215	235,047	62.02
BOSC.....	43,343	27,057	21,777	92,177	24.32
CLAPP.....	6,737	8,693	5,489	20,919	5.52
FLEMISH BEAUTY.....	2,730	1,674	2,424	6,828	1.80
KIEFFER.....	34	536	3,547	4,117	1.09
OTHER VARIETIES.....	4,056	3,076	2,284	9,416	2.48
TOTAL.....	120,984	112,979	144,998	378,961	100.00
AGE GROUP AS % OF TOTAL.....	31.93	29.81	38.26	100.00	

TABLE 38 - PEAR TREES BY VARIETY AND AGE GROUP, ST. LAWRENCE AND EASTERN ONTARIO DISTRICTS, 1986

VARIETY	1 TO 10 YEARS	11 TO 20 YEARS	21 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
ANJOU.....	151	154	6	311	2.24
BARTLETT.....	3,216	2,454	2,633	8,303	59.86
BOSC.....	1,069	468	519	2,056	14.82
CLAPP.....	623	249	66	938	6.76
FLEMISH BEAUTY.....	1,188	467	452	2,107	15.19
KIEFFER.....	0	0	28	28	0.20
OTHER VARIETIES.....	82	38	8	128	0.92
TOTAL.....	6,329	3,830	3,712	13,871	100.00
AGE GROUP AS % OF TOTAL.....	45.63	27.61	26.76	100.00	

TABLE 39 - PEAR TREES BY VARIETY AND AGE GROUP, GEORGIAN BAY DISTRICT, 1986

VARIETY	1 TO 10 YEARS	11 TO 20 YEARS	21 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
ANJOU.....	124	8	1	133	9.55
BARTLETT.....	461	99	7	567	40.70
BOSC.....	437	2	5	444	31.87
CLAPP.....	75	5	4	84	6.03
FLEMISH BEAUTY.....	138	1	2	141	10.12
OTHER VARIETIES.....	24	0	0	24	1.72
TOTAL.....	1,259	115	19	1,393	100.00
AGE GROUP AS % OF TOTAL.....	90.38	8.26	1.36	100.00	



TABLE 40 - PEAR TREES BY VARIETY AND AGE GROUP, CENTRAL ONTARIO DISTRICT, 1986

VARIETY	1 TO 10 YEARS	11 TO 20 YEARS	21 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
ANJOU.....	557	229	316	1,102	5.70
BARTLETT.....	2,726	1,556	6,942	11,224	58.01
BOSC.....	2,156	1,113	788	4,057	20.97
CLAPP.....	452	442	704	1,598	8.26
FLEMISH BEAUTY.....	142	397	48	587	3.03
KIEFFER.....	0	204	192	396	2.05
OTHER VARIETIES.....	140	171	74	385	1.99
TOTAL.....	6,173	4,112	9,064	19,349	100.00
AGE GROUP AS % OF TOTAL.....	31.90	21.25	46.84	100.00	

TABLE 41 - PEAR TREES BY VARIETY AND AGE GROUP, NIAGARA DISTRICT, 1986

VARIETY	1 TO 10 YEARS	11 TO 20 YEARS	21 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
ANJOU.....	3,184	1,755	1,461	6,400	2.22
BARTLETT.....	42,464	53,742	82,868	179,074	62.01
BOSC.....	35,106	20,023	18,014	73,143	25.33
CLAPP.....	5,070	7,324	4,272	16,666	5.77
FLEMISH BEAUTY.....	1,125	531	1,850	3,506	1.21
KIEFFER.....	31	330	2,483	2,844	0.98
OTHER VARIETIES.....	2,706	2,464	1,964	7,134	2.47
TOTAL.....	89,686	86,169	112,912	288,767	100.00
AGE GROUP AS % OF TOTAL.....	31.06	29.84	39.10	100.00	

TABLE 42 - PEAR TREES BY VARIETY AND AGE GROUP, SOUTHWESTERN ONTARIO DISTRICT, 1986

VARIETY	1 TO 10 YEARS	11 TO 20 YEARS	21 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
ANJOU.....	1,399	634	478	2,511	4.52
BARTLETT.....	9,802	11,312	14,765	35,879	64.55
BOSC.....	4,575	5,451	2,451	12,477	22.45
CLAPP.....	517	673	443	1,633	2.94
FLEMISH BEAUTY.....	137	278	72	487	0.88
KIEFFER.....	3	2	844	849	1.53
OTHER VARIETIES.....	1,104	403	238	1,745	3.14
TOTAL.....	17,537	18,753	19,291	55,581	100.00
AGE GROUP AS % OF TOTAL.....	31.55	33.74	34.71	100.00	

## SECTION VII — PLUMS

### PRODUCTION AND MARKETING

Japanese and European plums are the only species of commercial importance in Ontario. In this publication, European plums refer to varieties which have been reported as prunes in editions of the Fruit Tree Census prior to 1981.

There were 1,650 acres of plum trees in Ontario in 1986, compared to 1,497 in 1981 (Table 43). The 5 year average marketed

production for 1982-1986 was 3,924 tons, up slightly from 3,898 tons for 1977-1981. Total farm value from 1981-1986 ranged from a low of \$1.1 million in 1981 to a high of \$3.0 million in 1986.

The fresh market sector utilizes virtually all Japanese plums and most late-season European plums. The 5 year average for 1982-1986 was 96 percent. The tonnage of plums sold to the fresh and processing sectors for 1981-1986 is shown in Table 44.

TABLE 43 - PLUMS AND PRUNES, ESTIMATED AREA, PRODUCTION AND FARM VALUE, ONTARIO, 1981-1986

	AREA	MARKETED PRODUCTION	FARM VALUE	
			UNIT	TOTAL
	ACRES	TONS	CENTS/LB	\$'000
1981.....	1,497	2,214	25.6	1,135
1982.....	1,444	4,286	32.3	2,771
1983.....	1,402	2,964	24.6	1,460
1984.....	1,411	3,329	32.7	2,176
1985.....	1,824	3,602	41.0	2,951
1986.....	1,650	5,438	27.6	3,003

TABLE 44 - PLUMS AND PRUNES, MARKETED PRODUCTION, ONTARIO, 1981-1986

	1981	1982	1983	1984	1985	1986
	- TONS -					
FRESH.....	2,122	4,101	2,829	3,187	3,448	5,349
PROCESSING*:						
PLUMS.....	26	74	16	55	49	25
PRUNES.....	66	111	119	75	104	54
DISTILLING.....	0	0	0	12	1	10
TOTAL PROCESSING.....	92	185	135	142	154	89
TOTAL PRODUCTION.....	2,214	4,286	2,964	3,329	3,602	5,438

\*SOURCE: ONTARIO TENDER FRUIT PRODUCERS' MARKETING BOARD

## CENSUS HIGHLIGHTS - Japanese Plums

### Farm Size and Regional Distribution

A total of 596 growers reported Japanese plum trees in 1986 (Table 45) compared to 642 growers in 1981. However, the number of Japanese plum trees per farm increased significantly during that 5 year period. In 1986, 34 growers had 501-2,500 trees compared to only 17 growers in 1981. In 1986, the Niagara district continued to account for the majority of Japanese plum growers (Table 45), although this declined from 78 percent in 1981 to 72 percent in 1986. All other districts reported an increase in the provincial share of Japanese plum growers in 1986 compared to 1981, with Southwestern Ontario significantly increasing from 17 percent to 20 percent.

### Tree Distribution and Age

Japanese plum trees increased 48 percent from 57,486 trees in 1981 to 85,302 trees in 1986 (Table 46). In 1986 the Niagara district had 84 percent of all Japanese plum trees, while Southwestern Ontario had 15 percent (Table 47). This is very similar to the distribution in 1981.

Of all Japanese plum trees in Ontario, 57,379 were in the 1-7 year age group in 1986 (Table 48) compared to 25,298 in 1981, representing 67 percent of the trees in that age category in 1986, compared to 44 percent in 1981. This clearly shows an increased interest in growing Japanese plums.

The number of trees in St. Lawrence, Eastern Ontario, Georgian Bay and Central Ontario increased from 1981 to 1986, but altogether represented only 1.43 percent of the provincial total (Tables 47, 49 and 50). Early Golden is the most popular variety in the St. Lawrence and Eastern Ontario districts, followed by Burbank, Shiro and Ozark Premier. In the Georgian Bay and Central Ontario districts, Shiro is the most

popular variety, followed by Early Golden and Burbank.

The age distribution of trees in Niagara is very similar to the provincial distribution (Table 51). There were 71,743 Japanese plum trees in Niagara in 1986 of which 47,120 trees (66%) were in the 1-7 year age group. Early Golden (28,267 trees) is the most popular variety, followed by Shiro (25,836) and Burbank (7,356).

In Southwestern Ontario, 76 percent of trees were in the 1-7 year age category (Table 52), compared to 49 percent in 1981. In 1986 there were 9,362 trees in this age category, which was more than the total number of trees in that district (9,083) in 1981. Shiro continues to be the most popular tree in Southwestern Ontario (5,080), followed by Early Golden (4,005) and Burbank (1,502).

### Varieties

Early Golden continued to be the most abundant Japanese plum variety in 1986 (Table 47), accounting for 38 percent of all Japanese plum trees, followed by Shiro (37%), Burbank (11%) and Ozark Premier (8%). Ozark Premier, an old variety, is continuing to regain popularity as indicated by an increase from 1,833 trees in 1976, to 7,039 trees in 1986. Varieties showing the greatest increases from 1981 to 1986 were Ozark Premier (up 92%), Shiro (up 62%), and Early Golden (up 51%). Methley is the only variety showing a decrease in the number of trees from 1981 to 1986 (down 48%).

In 1986, Shiro and Early Golden were the most abundant varieties in the 1-7 year age category, accounting for 72 percent of the trees in that age group (Table 48). It is interesting to note that 88 percent of all Ozark Premier trees are in this age group.

Varieties of Japanese Plums which were commercially insignificant in 1986 are listed in the Appendix (Table 5).



TABLE 45 - FARMS REPORTING JAPANESE PLUM TREES BY NUMBER OF TREES ON FARMS,  
ONTARIO, 1986

NO. OF TREES	ST. LAWRENCE VALLEY	EASTERN ONTARIO	GEORGIAN BAY	CENTRAL ONTARIO	NIAGARA	SOUTH- WESTERN ONTARIO	TOTAL	FARMS AS % OF TOTAL
1-10.....	5	15	2	8	61	32	123	20.64
11-100.....	1	11	3	3	194	55	267	44.80
101-200.....	0	1	0	1	74	16	92	15.44
201-500.....	0	0	0	0	67	13	80	13.42
501-1,000.....	0	0	0	0	22	1	23	3.86
1,001-2,500....	0	0	0	0	9	2	11	1.85
2,501-5,000....	0	0	0	0	0	0	0	0.00
5,001 AND OVER.	0	0	0	0	0	0	0	0.00
TOTAL FARMS....	6	27	5	12	427	119	596	100.00
FARMS AS % OF TOTAL.....	1.01	4.53	0.84	2.01	71.64	19.97	100.00	

TABLE 46 - JAPANESE PLUM TREES IN ONTARIO, 1966-1986

VARIETY	1966	1971	1976	1981	1986	1986 AS % OF 1981
BURBANK.....	14,946	11,148	8,149	8,866	9,135	103.03
EARLY GOLDEN.....	25,113	22,519	20,658	21,691	32,687	150.69
METHLEY.....	3,539	3,483	2,338	1,799	932	51.81
OZARK PREMIER.....	*	*	1,833	3,667	7,039	191.96
SHIRO.....	23,552	20,636	18,473	19,327	31,233	161.60
VANIER(0-3010).....	*	*	*	*	3,161	*
OTHER VARIETIES.....	3,706	2,534	2,056	2,136	1,115	52.20
TOTAL.....	70,856	60,320	53,507	57,486	85,302	148.39

\* - Included in OTHER VARIETIES

TABLE 47 - JAPANESE PLUM TREES BY VARIETY AND DISTRICT, ONTARIO, 1986

VARIETY	ST. LAWRENCE VALLEY	EASTERN ONTARIO	GEORGIAN BAY	CENTRAL ONTARIO	NIAGARA	SOUTH- WESTERN ONTARIO	TOTAL	VARIETY AS % OF TOTAL
BURBANK.....	25	118	21	113	7,356	1,502	9,135	10.71
EARLY GOLDEN.....	34	236	31	114	28,267	4,005	32,687	38.32
METHLEY.....	1	0	1	0	661	269	932	1.09
OZARK PREMIER.....	0	108	7	16	6,085	823	7,039	8.25
SHIRO.....	27	98	27	165	25,836	5,080	31,233	36.61
VANIER(0-3010).....	0	7	5	0	2,841	308	3,161	3.71
OTHER VARIETIES.....	9	10	0	0	697	399	1,115	1.31
TOTAL.....	96	577	92	408	71,743	12,386	85,302	100.00
DISTRICT AS % OF TOTAL.....	0.11	0.68	0.11	0.48	84.10	14.52	100.00	

TABLE 48 - JAPANESE PLUM TREES BY VARIETY AND AGE GROUP, ONTARIO, 1986

VARIETY	1 TO 7 YEARS	8 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
BURBANK.....	5,790	2,165	1,180	9,135	10.71
EARLY GOLDEN.....	20,752	7,439	4,496	32,687	38.32
METHLEY.....	427	233	272	932	1.09
OZARK PREMIER.....	6,178	749	112	7,039	8.25
SHIRO.....	20,301	6,016	4,916	31,233	36.61
VANIER(0-3010).....	3,061	43	57	3,161	3.71
OTHER VARIETIES.....	870	232	13	1,115	1.31
TOTAL.....	57,379	16,877	11,046	85,302	100.00
AGE GROUP AS % OF TOTAL.....	67.27	19.78	12.95	100.00	

TABLE 49 - JAPANESE PLUM TREES BY VARIETY AND AGE GROUP, ST. LAWRENCE AND EASTERN ONTARIO DISTRICTS, 1986

VARIETY	1 TO 7 YEARS	8 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
BURBANK.....	136	6	1	143	21.25
EARLY GOLDEN.....	259	10	1	270	40.12
METHLEY.....	1	0	0	1	0.15
OZARK PREMIER.....	100	8	0	108	16.05
SHIRO.....	117	8	0	125	18.57
VANIER(0-3010).....	7	0	0	7	1.04
OTHER VARIETIES.....	9	3	7	19	2.82
TOTAL.....	629	35	9	673	100.00
AGE GROUP AS % OF TOTAL.....	93.46	5.20	1.34	100.00	

TABLE 50 - JAPANESE PLUM TREES BY VARIETY AND AGE GROUP, GEORGIAN BAY AND CENTRAL ONTARIO DISTRICTS, 1986

VARIETY	1 TO 7 YEARS	8 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
BURBANK.....	58	3	73	134	26.80
EARLY GOLDEN.....	49	65	31	145	29.00
METHLEY.....	1	0	0	1	0.20
OZARK PREMIER.....	23	0	0	23	4.60
SHIRO.....	132	35	25	192	38.40
VANIER(0-3010).....	5	0	0	5	1.00
TOTAL.....	268	103	129	500	100
AGE GROUP AS % OF TOTAL.....	53.60	20.60	25.80	100.00	

TABLE 51 - JAPANESE PLUM TREES BY VARIETY AND AGE GROUP, NIAGARA DISTRICT, 1986

VARIETY	1 TO 7 YEARS	8 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
BURBANK.....	4,599	1,684	1,073	7,356	10.25
EARLY GOLDEN.....	17,334	6,551	4,382	28,267	39.40
METHLEY.....	270	128	263	661	0.92
OZARK PREMIER.....	5,348	675	62	6,085	8.48
SHIRO.....	16,227	4,828	4,781	25,836	36.01
VANIER(0-3010).....	2,743	41	57	2,841	3.96
OTHER VARIETIES.....	599	93	5	697	0.97
TOTAL.....	47,120	14,000	10,623	71,743	100.00
AGE GROUP AS % OF TOTAL.....	65.68	19.51	14.81	100.00	

TABLE 52 - JAPANESE PLUM TREES BY VARIETY AND AGE GROUP, SOUTHWESTERN ONTARIO DISTRICT, 1986

VARIETY	1 TO 7 YEARS	8 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
BURBANK.....	997	472	33	1,502	12.13
EARLY GOLDEN.....	3,110	813	82	4,005	32.33
METHLEY.....	155	105	9	269	2.17
OZARK PREMIER.....	707	66	50	823	6.64
SHIRO.....	3,825	1,145	110	5,080	41.01
VANIER(0-3010).....	306	2	0	308	2.49
OTHER VARIETIES.....	262	136	1	399	3.22
TOTAL.....	9,362	2,739	285	12,386	100.00
AGE GROUP AS % OF TOTAL.....	75.59	22.11	2.30	100.00	



## CENSUS HIGHLIGHTS - European Plums

### Farm Size and Regional Distribution

A total of 734 growers reported European plum trees in 1986 (Table 53) compared to 834 growers in 1981. The number of growers with over 500 trees declined significantly from 43 in 1981 to 30 in 1986. In 1986, the Niagara district had the majority of European plum growers (64%), although it declined from 71 percent in 1981. The number of European plum growers in other districts has increased slightly from 1981 to 1986, with the exception of Central Ontario which remains comparable to 1981.

### Tree Distribution and Age

There were 93,119 European plum trees in Ontario in 1986 (Table 54) down 8 percent from 101,600 in 1981, suggesting a continuation in the decline of European plums. The Niagara district had 69 percent of Ontario's European plum trees in 1986 (Table 55), down from 76 percent in 1981. Southwestern Ontario had 25 percent of the total in 1986, compared to 20 percent in 1981.

Of all European plum trees in the province, 57 percent were in the 1-7 year age category (Table 56), compared to 53 percent in 1981. In terms of actual numbers, there were 52,996 trees in this category in 1986, compared to 53,656 in 1981. The 16 years and over category, continues to have only 12 percent of European plum trees, compared to 18 percent in 1981. Although there was an 8 percent decline in the total number of trees between 1981 and 1986, it appears that growers are interested in maintaining plum production, but are actively shifting towards other varieties.

There were 3,384 European plum trees in the St. Lawrence and Eastern Ontario districts in 1986 (Table 57), representing almost 4 percent of the total number of trees in Ontario. Most of the trees were in the 1-7 year age category (72%). Stanley is the most popular variety, followed by Italian (Fellenberg).

In the Georgian Bay and Central Ontario districts, the total number of European

plum trees increased from 1,658 trees in 1981 to 2,254 trees in 1986 (Table 58), but this represents only 2 percent of the provincial total. Stanley is the most popular variety.

The number of European plum trees in the Niagara district decreased from 77,281 in 1981 to 64,334 in 1986. In Niagara, 54 percent of the trees were in the 1-7 year age category (Table 59), compared to 57 percent for the province. The most popular variety is Stanley, followed by Italian (Fellenberg), and Bluefre.

There were 23,147 trees in the Southwest Ontario district in 1986, compared to 20,172 in 1981. In Southwestern Ontario, 63 percent of the trees were in the 1-7 year age category (Table 60), compared to 51 percent in 1981. The most popular variety is Stanley, followed by Italian (Fellenberg), Bluefre and Valor.

### Varieties

Stanley was the most common European plum variety (23 percent of total trees) in 1986 (Table 55), followed by Italian (Fellenberg) (18%), Bluefre (14%) and Valor (8%). Veeblue was released by the Horticultural Research Institute of Ontario in 1982 and is growing in popularity as indicated by the 1986 Census (up 63 percent from 1981). Verity and Valor were introduced in 1967 and are also continuing to increase in numbers (up 26 and 23 percent respectively from 1981). In 1986 there were 3,236 Damson trees reported, down from 8,228 in 1966, but showing an increase from 2,514 in 1981. It is a fine quality processing plum when properly mature, however, it is recommended for limited planting only. Major declines occurred with Lombard (down 60%), German (down 49%), Bluefre (down 35%), Vision (down 28%), Iroquois (down 24%), Italian (Fellenberg) (down 23%) and Stanley down 17%).

In 1986, Stanley was the most abundant variety in the 1-7 year age category accounting for 18 percent of total trees in that age group (Table 56). European plum varieties listed in the census as "others" are commercially insignificant in numbers of trees at a varietal level. However,

collectively they accounted for 20 percent of the total number of trees in the 1-7 year age category. This reflects the efforts of the Horticultural Research Institute of Ontario which is continuing research with trial plantings to develop European plum

varieties which can be harvested throughout August to extend the harvest season. Varieties of European plums that are commercially insignificant in 1986 are listed in the Appendix (Table 6).

TABLE 53 - FARMS REPORTING EUROPEAN PLUM TREES BY NUMBER OF TREES ON FARMS, ONTARIO, 1986

NO. OF TREES	ST. LAWRENCE VALLEY	EASTERN ONTARIO	GEORGIAN BAY	CENTRAL ONTARIO	NIAGARA	SOUTH- WESTERN ONTARIO	TOTAL	FARMS AS % OF TOTAL
1-10.....	3	18	16	9	88	42	176	23.98
11-100.....	2	19	4	6	213	80	324	44.14
101-200.....	0	2	0	4	68	28	102	13.90
201-500.....	1	2	2	1	76	20	102	13.90
501-1,000.....	0	1	0	0	20	3	24	3.27
1,001-2,500....	0	0	0	0	3	2	5	0.68
2,501-5,000....	0	0	0	0	0	1	1	0.14
5,001 AND OVER.	0	0	0	0	0	0	0	0.00
TOTAL FARMS....	6	42	22	20	468	176	734	100.00
FARMS AS % OF TOTAL.....	0.82	5.72	3.00	2.72	63.76	23.98	100.00	

TABLE 54 - EUROPEAN PLUM TREES IN ONTARIO, 1966-1986

VARIETY	1966	1971	1976	1981	1986	1986 AS % OF 1981
CALIFORNIA BLUE.....	2,080	1,894	1,940	2,789	3,001	107.60
DAMSON.....	8,228	7,904	5,848	2,514	3,236	128.72
LOMBARD.....	16,128	9,041	5,178	1,065	429	40.28
VALOR.....	*	*	2,430	6,149	7,538	122.59
VEEBLUE(V33028).....	*	*	682	2,841	4,631	163.01
VERITY.....	*	*	2,236	3,897	4,902	125.79
VISION.....	*	*	6,218	4,137	2,995	72.40
BLUEFRE.....	*	*	10,177	20,171	13,143	65.16
GERMAN.....	6,707	3,861	3,140	2,386	1,212	50.80
IROQUOIS.....	*	*	613	1,175	895	76.17
ITALIAN(FELLENBERG).	52,245	34,777	27,799	21,250	16,389	77.12
STANLEY.....	42,727	33,481	26,793	25,882	21,570	83.34
OTHER VARIETIES.....	18,718	11,995	7,141	7,344	13,178	179.44
TOTAL.....	146,833	102,953	100,195	101,600	93,119	91.65

\* - Included in OTHER VARIETIES

TABLE 55 - EUROPEAN PLUM TREES BY VARIETY AND DISTRICT, ONTARIO, 1986

VARIETY	ST. LAWRENCE VALLEY	EASTERN ONTARIO	GEORGIAN BAY	CENTRAL ONTARIO	NIAGARA	SOUTH- WESTERN ONTARIO	TOTAL	VARIETY AS % OF TOTAL
CALIFORNIA BLUE.....	22	49	16	13	2,432	469	3,001	3.22
DAMSON.....	14	81	1	58	2,693	389	3,236	3.48
LOMBARD.....	0	8	13	0	202	206	429	0.46
VALOR.....	16	127	59	46	5,274	2,016	7,538	8.10
VEEBLUE(V33028).....	2	6	255	45	3,337	986	4,631	4.97
VERITY.....	26	93	215	101	3,632	835	4,902	5.26
VISION.....	20	68	104	56	1,858	889	2,995	3.22
BLUEFRE.....	0	139	10	85	10,280	2,629	13,143	14.11
GERMAN.....	30	42	27	56	833	224	1,212	1.30
IROQUOIS.....	0	33	10	35	734	83	895	0.96
ITALIAN(FELLENBERG).....	87	477	49	238	12,280	3,258	16,389	17.60
STANLEY.....	55	1,255	270	305	13,143	6,542	21,570	23.16
OTHER VARIETIES.....	70	664	118	69	7,636	4,621	13,178	14.15
TOTAL.....	342	3,042	1,147	1,107	64,334	23,147	93,119	100.00
DISTRICT AS % OF TOTAL.....	0.37	3.27	1.23	1.19	69.09	24.86	100.00	

TABLE 56 - EUROPEAN PLUM TREES BY VARIETY AND AGE GROUP, ONTARIO, 1986

VARIETY	1 TO 7 YEARS	8 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
CALIFORNIA BLUE.....	2,003	884	114	3,001	3.22
DAMSON.....	975	1,483	778	3,236	3.48
LOMBARD.....	57	82	290	429	0.46
VALOR.....	5,625	1,688	225	7,538	8.10
VEEBLUE(V33028).....	4,313	293	25	4,631	4.97
VERITY.....	3,592	1,256	54	4,902	5.26
VISION.....	1,859	1,024	112	2,995	3.22
BLUEFRE.....	6,906	5,685	552	13,143	14.11
GERMAN.....	580	364	268	1,212	1.30
IROQUOIS.....	407	265	223	895	0.96
ITALIAN(FELLENBERG).....	6,433	5,171	4,785	16,389	17.60
STANLEY.....	9,628	8,623	3,319	21,570	23.16
OTHER VARIETIES.....	10,618	2,159	401	13,178	14.15
TOTAL.....	52,996	28,977	11,146	93,119	100.00
AGE GROUP AS % OF TOTAL.....	56.91	31.12	11.97	100.00	



TABLE 57 - EUROPEAN PLUM TREES BY VARIETY AND AGE GROUP, ST. LAWRENCE AND  
EASTERN ONTARIO DISTRICTS, 1986

VARIETY	1 TO 7 YEARS	8 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
CALIFORNIA BLUE.....	46	25	0	71	2.10
DAMSON.....	77	18	0	95	2.81
LOMBARD.....	2	1	5	8	0.24
VALOR.....	98	45	0	143	4.23
VEEBLUE(V33028).....	3	5	0	8	0.24
VERITY.....	84	35	0	119	3.52
VISION.....	48	40	0	88	2.60
BLUEFRE.....	66	73	0	139	4.11
GERMAN.....	40	30	2	72	2.13
IROQUOIS.....	3	30	0	33	0.98
ITALIAN(FELLENBERG)....	532	32	0	564	16.67
STANLEY.....	735	575	0	1,310	38.71
OTHER VARIETIES.....	690	43	1	734	21.69
TOTAL.....	2,424	952	8	3,384	100.00
AGE GROUP AS % OF TOTAL.....	71.63	28.13	0.24	100.00	

TABLE 58 - EUROPEAN PLUM TREES BY VARIETY AND AGE GROUP, GEORGIAN BAY AND  
CENTRAL ONTARIO DISTRICTS, 1986

VARIETY	1 TO 7 YEARS	8 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
CALIFORNIA BLUE.....	21	8	0	29	1.29
DAMSON.....	7	0	52	59	2.62
LOMBARD.....	10	1	2	13	0.58
VALOR.....	80	25	0	105	4.66
VEEBLUE(V33028).....	275	25	0	300	13.31
VERITY.....	246	70	0	316	14.02
VISION.....	135	25	0	160	7.10
BLUEFRE.....	45	50	0	95	4.21
GERMAN.....	47	18	18	83	3.68
IROQUOIS.....	5	40	0	45	2.00
ITALIAN(FELLENBERG)....	54	212	21	287	12.73
STANLEY.....	291	172	112	575	25.51
OTHER VARIETIES.....	146	31	10	187	8.30
TOTAL.....	1,362	677	215	2,254	100.00
AGE GROUP AS % OF TOTAL.....	60.43	30.04	9.54	100.00	

TABLE 59 - EUROPEAN PLUM TREES BY VARIETY AND AGE GROUP, NIAGARA DISTRICT, 1986

VARIETY	1 TO 7 YEARS	8 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
CALIFORNIA BLUE.....	1,589	738	105	2,432	3.78
DAMSON.....	835	1,445	413	2,693	4.19
LOMBARD.....	30	47	125	202	0.31
VALOR.....	3,809	1,240	225	5,274	8.20
VEEBLUE(V33028).....	3,132	185	20	3,337	5.19
VERITY.....	2,501	1,077	54	3,632	5.65
VISION.....	1,062	687	109	1,858	2.89
BLUEFRE.....	5,762	4,042	476	10,280	15.98
GERMAN.....	391	206	236	833	1.29
IROQUOIS.....	316	195	223	734	1.14
ITALIAN(FELLENBERG) ..	4,477	3,578	4,225	12,280	19.09
STANLEY.....	5,357	4,666	3,120	13,143	20.43
OTHER VARIETIES.....	5,346	1,925	365	7,636	11.87
TOTAL.....	34,607	20,031	9,696	64,334	100.00
AGE GROUP AS % OF TOTAL.....	53.79	31.14	15.07	100.00	

TABLE 60 - EUROPEAN PLUM TREES BY VARIETY AND AGE GROUP, SOUTHWESTERN ONTARIO DISTRICT, 1986

VARIETY	1 TO 7 YEARS	8 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
CALIFORNIA BLUE.....	347	113	9	469	2.03
DAMSON.....	56	20	313	389	1.68
LOMBARD.....	15	33	158	206	0.89
VALOR.....	1,638	378	0	2,016	8.71
VEEBLUE(V33028).....	903	78	5	986	4.26
VERITY.....	761	74	0	835	3.61
VISION.....	614	272	3	889	3.84
BLUEFRE.....	1,033	1,520	76	2,629	11.36
GERMAN.....	102	110	12	224	0.97
IROQUOIS.....	83	0	0	83	0.36
ITALIAN(FELLENBERG) ..	1,370	1,349	539	3,258	14.08
STANLEY.....	3,245	3,210	87	6,542	28.26
OTHER VARIETIES.....	4,436	160	25	4,621	19.96
TOTAL.....	14,603	7,317	1,227	23,147	100.00
AGE GROUP AS % OF TOTAL.....	63.09	31.61	5.30	100.00	

# APPENDIX

TABLE 1 - SWEET CHERRY TREES BY VARIETY AND AGE GROUP, OTHER VARIETIES,  
ONTARIO, 1986

VARIETY	1 TO 10 YEARS	11 TO 20 YEARS	21 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
CUVELIER (PI 212684)...	176	0	0	176	9.39
EARLY LYONS.....	32	6	30	68	3.63
EARLY RIVERS.....	0	15	25	40	2.13
GOLD.....	2	0	140	142	7.57
NAPOLEON.....	0	10	85	95	5.07
SAM.....	70	0	5	75	4.00
STARK HARDY GIANT.....	0	0	44	44	2.35
ULSTER(IR 582-2).....	10	12	0	22	1.17
VERNON.....	11	0	18	29	1.55
UNKNOWN VARIETIES.....	161	277	578	1,016	54.19
OTHER VARIETIES.....	113	31	24	168	8.96
TOTAL.....	575	351	949	1,875	100.00
AGE GROUP AS % OF TOTAL.....	30.67	18.72	50.61	100.00	

TABLE 2 - TART CHERRY TREES BY VARIETY AND AGE GROUP, OTHER VARIETIES,  
ONTARIO, 1986

VARIETY	1 TO 5 YEARS	6 TO 10 YEARS	11 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
ENGLISH MORELLO.....	19	3	145	0	167	7.09
MONTMORENCY(GALAXY)...	1,106	0	0	0	1,106	46.94
NORTHSTAR.....	3	1	0	0	4	0.17
UNKNOWN VARIETIES.....	81	155	353	250	839	35.61
OTHER VARIETIES.....	20	220	0	0	240	10.19
TOTAL.....	1,229	379	498	250	2,356	100.00
AGE GROUP AS % OF TOTAL.....	52.16	16.09	21.14	10.61	100.00	



TABLE 3 - PEACH TREES BY VARIETY AND AGE GROUP, OTHER VARIETIES, ONTARIO, 1986

VARIETY	1 TO 3 YEARS	4 TO 9 YEARS	10 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
BELL AIR.....	700	0	0	700	2.84
COMPACT REDHAVEN.....	30	0	0	30	0.12
CORRELL.....	1,008	0	5	1,013	4.11
ELBERTA.....	1	365	98	464	1.88
GLOHAVEN.....	100	329	304	733	2.97
GOLDEN JUBILEE.....	19	71	233	323	1.31
HARCREST.....	697	194	0	891	3.61
HARROW BEAUTY.....	2,541	1,184	0	3,725	15.11
HARROW DIAMOND.....	2,405	25	0	2,430	9.86
HARROW.....	448	197	145	790	3.21
HARSON.....	2,143	335	0	2,478	10.05
HW 250.....	215	0	0	215	0.87
JAYHAVEN.....	433	722	0	1,155	4.69
MCGUIGAN.....	0	0	20	20	0.08
RELIANCE.....	81	30	0	111	0.45
ROYALVEE.....	151	640	412	1,203	4.88
V55125.....	10	220	130	360	1.46
VETERAN.....	8	71	82	161	0.65
WINBLO.....	0	80	0	80	0.32
UNKNOWN VARIETIES.....	1,060	966	1,854	3,880	15.74
OTHER VARIETIES.....	1,835	1,906	145	3,886	15.77
TOTAL.....	13,885	7,335	3,428	24,648	100.00
AGE GROUP AS % OF TOTAL.....	56.33	29.76	13.91	100.00	

TABLE 4 - PEAR TREES BY VARIETY AND AGE GROUP, OTHER VARIETIES, ONTARIO, 1986

VARIETY	1 TO 10 YEARS	11 TO 20 YEARS	21 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
CLAIRGEAU.....	0	0	60	60	0.64
CONFERENCE.....	194	4	17	215	2.28
DEVOE.....	30	12	0	42	0.45
FRENCH BARTLETT.....	2,041	1,352	1,289	4,682	49.72
GIFFARD.....	266	849	201	1,316	13.98
GORHAM (Q470-2A).....	55	2	45	102	1.08
HARDY.....	0	0	16	16	0.17
HARROW DELIGHT.....	702	12	0	714	7.58
HARVEST QUEEN.....	180	0	0	180	1.91
HOWELL.....	0	0	13	13	0.14
LAWSON.....	57	124	25	206	2.19
LUSCIOUS.....	52	0	0	52	0.55
MOONGLO.....	19	2	0	21	0.22
RED BARTLETT.....	20	0	0	20	0.21
RED CLAPP.....	53	97	0	150	1.59
SECKEL.....	62	5	12	79	0.84
SHELDON.....	1	1	194	196	2.08
SPARTLETT.....	45	238	1	284	3.02
STARK DELICIOUS.....	0	165	12	177	1.88
UNKNOWN VARIETIES.....	56	114	286	456	4.84
OTHER VARIETIES.....	223	99	113	435	4.62
TOTAL.....	4,056	3,076	2,284	9,416	100.00
AGE GROUP AS % OF TOTAL.....	43.08	32.67	24.26	100.00	

TABLE 5 - JAPANESE PLUM TREES BY VARIETY AND AGE GROUP, OTHER VARIETIES,  
ONTARIO, 1986

VARIETY	1 TO 7 YEARS	8 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
OHISHI-WASE(PI 223603).	163	20	0	183	16.41
RAINCLOUD.....	30	36	3	69	6.19
SANTA ROSA.....	214	105	0	319	28.61
UNKNOWN VARIETIES.....	225	0	7	232	20.81
OTHER VARIETIES.....	238	71	3	312	27.98
TOTAL.....	870	232	13	1,115	100.00
AGE GROUP AS % OF TOTAL.....	78.03	20.81	1.17	100.00	

TABLE 6 - EUROPEAN PLUM TREES BY VARIETY AND AGE GROUP, OTHER VARIETIES,  
ONTARIO, 1986

VARIETY	1 TO 7 YEARS	8 TO 15 YEARS	16 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
ALBION.....	135	0	0	135	1.02
BLUEBELL.....	1,213	286	3	1,502	11.40
EARLY ITALIAN.....	1,551	247	60	1,858	14.10
MOUNT ROYAL(IR 573-4)..	50	0	0	50	0.38
PRESIDENT(IR 345-3)....	45	44	0	89	0.68
V63015.....	856	24	0	880	6.68
V68011.....	400	6	0	406	3.08
VISION.....	152	0	0	152	1.15
UNKNOWN VARIETIES.....	680	1,125	51	1,856	14.08
OTHER VARIETIES.....	5,536	427	287	6,250	47.43
TOTAL.....	10,618	2,159	401	13,178	100.00
AGE GROUP AS % OF TOTAL.....	80.57	16.38	3.04	100.00	



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